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Our Contribution to the Environment®

November 19, 2018

Mr. Robert Marbury
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

Subject: **Ninth 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. Marbury:

On behalf of McKenzie Tank Lines, Inc. (MTL), Environmental International Corporation (EIC) is pleased to submit the attached Ninth 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

NINTH PROGRESS REPORT

11/19/2018

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.
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Tallahassee, FL 32304

Submitted with the consent of:

GEORGIA PORTS AUTHORITY
PO Box 2406
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Prepared by:

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CERTIFICATION AND SUPPORTING DOCUMENTATIONS
Ninth VIRP Semi-annual Progress Report
Former McKenzie Tank Lines Site, Port Wentworth, Georgia
HSI Site No. 10406
November 19, 2018

"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

11/19/18
Date

Signature and Stamp

GEORGIA REGISTERED No. 23198 PROFESSIONAL ENGINEER BASAVARAJ MAHADEVAIAH

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SECTION

1

1.0 Introduction

On behalf of McKenzie Tank Lines, Inc. (MTL), Environmental International Corporation (EIC) is pleased to submit this "Ninth 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 from May 2018 through October 2018. This report documents the following tasks:

- Responses to the September 10, 2018 EPD comment letter;
- The sixth semiannual groundwater monitoring event;
- Continuing constituent of concern (COC) source soil "hot-spot" removal, including the additional excavation of source material from area-of-concern (AOC) AOC-4 and the initiation of excavation activities of source material from AOC-6;
- Monitoring well network modifications;
- Soil sampling in response to Georgia Ports Authority (GPA) redevelopment activities; and
- Groundwater treatment system design and locating.

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

SECTION

2

2.0 Response to EPD Comment Letters

2.1 Responses to September 10, 2018 Comment Letter

The following are responses on behalf of MTL to EPD's review and list of comments letter, dated September 10, 2018 (EPD, 2018).

Comments and Responses

EPD Comment 1:

As stated in Section 3.4.1, MW-2S has historically exhibited anomalous groundwater elevations, and was therefore omitted from the data set in potentiometric surface contour construction. EPD concurs with the explanation that this anomalous measurement may be due to a localized perched aquifer. However, please explain the reasoning for the omission of wells RW-8, MW-35 and MW-53D in construction of the deep potentiometric surface contours.

Response to EPD Comment 1:

The 20-foot screen in RW-8 straddles both the "shallow" and "deep" groundwater depth intervals established by MTL prior to the EPD's approval of the VIRP. Therefore, the data concerning both the potentiometric surface and the COCs concentrations from groundwater sampling cannot be meaningfully utilized to apportion the values between shallow and deep zones. The screened interval for RW-9 also straddles the shallow and deep zones similar to RW-8. Consequently, EIC omitted RW-8 and RW-9 data from both potentiometric and analytical results maps

Well MW-35 was a 0.75-inch internal diameter (ID) cased/screened monitoring well and was the deepest well of the well network utilized for the VIRP groundwater monitoring program for the site. Based on multiple groundwater gauging events, EIC determined that the potentiometric surface elevations observed in the well appeared to be anomalously high compared to other nearby deep wells, such as MW-26. Consequently, EIC omitted MW-35 from consideration in preparing the deep potentiometric surface map for the site for the October 2017 and the May 2018 groundwater

monitoring events. It is noteworthy that EIC abandoned MW-35 in July 2018 – as discussed in Section 5.1 of this report.

Similar to MW-35, potentiometric levels in MW-53D were found be anomalously high compared to the levels observed in other nearby deep wells during the October 2017 groundwater monitoring event. EIC therefore omitted MW-35 from consideration in preparing the deep potentiometric surface map for the site for the October 2017 groundwater monitoring event. It is noteworthy that EIC utilized the data from this well on other occasions when such a potentiometric surface anomaly was not apparent.

EPD Comment 2:

EPD does not concur with the discussion in Section 3.4.4 stating that vertical delineation of the plume is complete. While deep monitoring well MW-35 may have been historically below delineation criteria, RW-8 and MW-53D, which are located along the leading edge of the plume still exhibit concentrations of vinyl chloride above the delineation standard of 2 ug/L. Please continue with the scheduled groundwater monitoring to observe whether constituents in wells RW-8 and MW-53D will attenuate to levels below delineation criteria.

Response to EPD Comment 2:

EPD's comment is noted. Accordingly, MTL will continue to monitor COC concentrations in wells RW-8 and MW-53D to determine if the concentrations attenuate to levels below delineation criteria.

EPD Comment 3:

Following excavation activities for source removal in AOC-4, results of confirmation sampling demonstrated tetrachloroethene (PCE) concentrations above the applicable RRS of 500 ug/kg in sample AOC4-5. EPD concurs with EIC's additional excavation of impacted soil and confirmation sampling near AOC4-5 during soil/sediment delineation and source removal activities for AOC-6 as discussed in Section 4.4.

Response to EPD Comment 3:

EPD's comment is noted. EIC has completed the additional excavation tasks proposed in the Eighth VIRP Semi-annual Progress Report. A description of the delineation and source removal activities is included in Section 4.0.

EPD Comment 4:

Figure 4-5 indicates that the soil analytical data shown on the figure is from January and March 2015; however, these dates appear to be incorrect. According to the narrative and laboratory analytical results, it appears that confirmation soil sampling in AOC-3 and AOC-4 occurred during March 2018. Please provide correct sample dates on figures upon submittal of the next semi-annual report.

Response to EPD Comment 4:

EIC has corrected the dates listed in Figure 4-5 from the Eighth VIRP Semi-annual Progress Report (EIC, 2018) and included the updated figure in Attachment 2-1 of this report.

EPD Comment 5:

EPD understands that the Georgia Ports Authority (GPA) is redeveloping the site over the summer 2018, which will affect the monitoring and recovery well network, paved areas, site grade, and stormwater drainage structures. EPD has previously expressed concern over the potential introduction of contaminants to the stormwater ditches on site through impacted soil, sediment and groundwater in AOC-6. Following excavation of AOC-6 and site redevelopment activities, EIC has indicated that surface water sampling of the storm water ditches near AOC-6 will coincide with future groundwater sampling activities. In addition to future surface water sampling activities, EPD concurs with EIC's plans to investigate arsenic in groundwater near the former well MW-13S.

Response to EPD Comment 5:

EPD's comment is noted. A description of the AOC-6 excavation procedures and results is included in Section 4.0 of this report. As stated by the EPD, following the completion of AOC-6 excavation and GPA site redevelopment activities, MTL will incorporate surface water sampling in the north-south oriented ditch in future groundwater sampling activities. EIC has completed the proposed arsenic investigation in groundwater near the former well MW-13S. A description of the arsenic sampling event near former well MW-13S is included in Section 3.0 of this report.

EPD Comment 6:

EPD concurs with the well network modification which includes the abandonment, replacement and installation of select wells. Please adhere to EPA Region 4 SESD guidance documents for installing and abandoning monitoring wells.

Response to EPD Comment 6:

EPD's comment is noted. A description of the well abandonment, replacement, and installation of select wells is included in Section 5.0 of this report.

SECTION

3

3.0 Groundwater Monitoring

EIC conducted the tenth groundwater monitoring event of the VIRP in May 2018. 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 targeted COCs, and conducted other related tasks.

3.1 Groundwater Monitoring Objectives

The primary objectives of the groundwater monitoring program were to meet the goals defined in the VIRP. Additionally, EIC further delineated the extent of arsenic in groundwater near the former well MW-13S during the May 2018 groundwater monitoring event.

3.2 Groundwater Monitoring Field Program

During the May 2018 monitoring event, EIC conducted groundwater monitoring activities at a total of 44 wells onsite. As noted in the VIRP, wells with screened intervals that are less than 20 feet below ground surface (bgs) were historically defined by MTL 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). For consistency, EIC has maintained this definition with newly installed wells. Consequently, 19 of the 44 wells onsite are defined as shallow wells and the remaining 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 ranged in size from 3/4-inch to 2-inches.

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-R4 under the FBQSTP (EPA, 2017).

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 groundwater sampling tasks conducted at the site was completed by EIC field personnel.

3.2.3 Groundwater Gauging Procedure

Prior to sampling, EIC gauged each well using 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 groundwater elevations that occurred during this sampling event. The gauging data for the May 2018 monitoring event is tabulated in Table 3-1.

3.2.4 Groundwater Sampling Procedure

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 according to SESDPROC-301-R4 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.

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 the May 2018 monitoring event (Attachment 3-1). Additionally, purge volumes and depth-to-water (DTW) measurements were recorded on these logs 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 with the Teflon tubing (that has a 3/8-inch outer diameter (OD)), 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.

Under SESDPROC-301-R4, 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) recorded after stabilization and prior to sample collection are summarized in Table 3-2.

At wells designated for arsenic sampling, EIC collected arsenic samples from the pump head, prior to removing tubing from the well to utilize the "soda straw method" for VOC sampling as specified under SESDPROC-301-R4.

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 by maintaining sufficient ice in these containers, 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 VOCs according to EPA method 8260B and arsenic samples according to EPA method 6010D. The laboratory report summarizing the analysis of the samples collected during the May 2018 monitoring event is included as Attachment 3-2. The analytical results of VOC 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 disposable 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 coolers. The laboratory analyzed each trip blank via EPA method 8260B. COC concentrations within the trip blanks were all below detection limits. As such, it appears that EIC's field procedures were adequate in preventing the cross contamination of COCs between sample sets.

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 May 2018 monitoring event.

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 Consideration of Recovery Wells

Due to repeated instances of incongruous gauging and analytical results data observed at each of the recovery wells at the site, EIC elected to cease consideration of these wells for groundwater potentiometric and COC concentration contours.

As noted in previous semi-annual reports for this site, wells RW-1 and RW-4 are subject to varying degrees of siltation and have previously not been considered when preparing various groundwater potentiometric and COC concentration contour maps. Additionally, due to a well obstruction, EIC could not sample well RW-4 during the May 2018 sampling event. Due to these issues, EIC abandoned both wells RW-1 and RW-4 following the May 2018 groundwater monitoring event, as is described in Section 5.0.

Wells RW-8 and RW-9 were designed and constructed by EIC for recovery purposes and, as such, are screened from 10 to 30 feet bgs. Since these well screens significantly overlap the intervals used to distinguish shallow and deep wells, EIC does not consider RW-8, or RW-9 to be fully representative of either shallow or deep site conditions. EIC has and will continue to collect samples and to report the groundwater elevations measured and the analytical results of samples collected from RW-8 and RW-9 but will not consider these results in groundwater or COC contour mapping.

3.4.2 Groundwater Potentiometric Surfaces

The May 2018 groundwater gauging event data is summarized in Table 3-1. In addition, all historical groundwater gauging data collected at the site following the initiation of the VIRP program is summarized in Table 3-5 (shallow) and Table 3-6 (deep). The following subsections describe the corresponding groundwater potentiometric surfaces observed during the May 2018 groundwater gauging event for both the deep and shallow potentiometric surfaces.

3.4.2.1 Shallow Groundwater Potentiometric Surface

EIC compared the shallow well gauging data from the May 2018 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 May 2018 event, which define the shallow groundwater potentiometric surface, were similar than those of the April 2017 gauging event, higher than those of the October 2017 gauging event, and 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 anomalously high groundwater elevation observed at well MW-29, 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 during the May 2018 event may have been caused by rainwater pooling above the well prior to gauging.

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, 2017a, 2017b, and 2018). Based on the potentiometric surface during each of the nine 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.

3.4.2.2 Deep Groundwater Potentiometric Surface

As with EIC's evaluation of the shallow wells at the site, EIC compared gauging data from the deep wells from the May 2018 monitoring events to those of the previous gauging events that are summarized in Table 3-6. Referring to Table 3-6, the average potentiometric surface elevations in deep wells in May 2018 were higher than those of the previous October 2017 monitoring event and 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 May 2018 event with those of previous nine 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.

3.4.3 Horizontal Extent of COC Plumes

The COCs at the site established in the VIRP consist of the chlorinated volatile organic compounds (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 the Risk Reduction Standards (RRS) and above the delineation criteria. The following four subsections describe the concentrations of each of the four monitored COCs and the extents of the plumes in both the shallow and deep aquifer horizons, respectively.

3.4.3.1 PCE Plume

Utilizing the analytical results of samples collected during the May 2018 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 May 2018 monitoring event. Referring to Figure 3-3, the shallow plume is confirmed to be above the delineation criterion for PCE at wells MW-31, MW-32, MW-40S, MW-50S and MW-57S. The shallow plume is also above the RRS at wells MW-40S and MW-50S. PCE concentrations at all of the remaining monitoring wells were below the laboratory method detection limit (MDL) with the exception of well MW-37S. PCE concentrations in MW-37S were detected below both the delineation criterion and the RRS. During the May 2018 monitoring event, PCE concentrations were above the RRS for the first time since the installation of MW-40S. EIC will continue to monitor the PCE concentration at MW-40S to determine if the PCE concentration increases, stabilizes, or decreases.

Deep PCE

Figure 3-4 illustrates the horizontal extent of the deep PCE plume based on samples from deep wells during the May 2018 monitoring event. Referring to Figure 3-4, PCE concentrations at all wells sampled, apart from wells PAW-4 and MW-47D, were below the delineation criterion. PCE concentrations in PAW-4 and MW-47D 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 progressively reducing the concentrations.

3.4.3.2 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 May 2018 monitoring event. Concentrations that exceeded the RRS and the delineation criterion for TCE were detected at monitoring wells MW-31, MW-32, MW-40S and MW-50S and MW-57S. The overall extent of the shallow TCE plume has remained relatively constant since October 2017.

Deep TCE

Figure 3-6 illustrates the horizontal extent of the deep TCE plume based on samples from deep wells during the May 2018 monitoring event. Deep TCE concentrations that exceeded both the RRS and the delineation criterion were found at monitoring wells MW-2D, MW-14D, MW-39D, MW-44D and MW-47D. The overall extent of the deep TCE plume has remained relatively the constant since October 2017 with the exception of MW-39D. EIC will continue to monitor the TCE concentration at MW-39D to determine if the respective concentrations persist above the RRS.

3.4.3.3 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 May 2018 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 May 2018 monitoring event was similar to that occurring during previous monitoring events with a continued trend of the peak concentration shifting from the center of the plume to the leading edge 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 May 2018 monitoring event. Deep DCE concentrations that exceeded the delineation criterion for DCE occurred at wells MW-2D, MW-49D, MW-51D, MW-53D, PAW-4, RW-8, and RW-9. Recovery wells RW-8 and RW-9 were not considered for contouring, however, since their 20-foot screened interval extends across both the shallow and deep intervals. The overall extent of the May 2018 deep DCE plume was similar to the DCE plume that occurred during the October 2017 monitoring event, but with increased concentrations at the peak points of the plume.

3.4.3.4 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 May 2018 monitoring event. Shallow VC concentrations that exceeded the RRS occurred at monitoring wells MW-2S, MW-4S, MW-33, MW-40S, MW-46S and MW-50S. The overall extent of the shallow VC plume during the May 2018 monitoring event was similar to that occurring during the October 2017 monitoring event. In general, concentrations slightly decreased, resulting in VC detections at MW-45S falling below both the RRS and the delineation criterion for VC.

Deep VC

Figure 3-10 illustrates the horizontal extent of the deep VC plume based on samples from deep wells during the May 2018 monitoring event. Deep VC concentrations that exceeded the RRS occurred at wells MW-2D, MW-36R, MW-49D, MW-51D, MW-53D, MW-54D, MW-55D, PAW-4, RW-8, and RW-9. Recovery wells RW-8 and RW-9 were not considered for contouring, however, since their 20-foot screened interval extends across both the shallow and deep intervals. The overall extent of the deep VC plume was similar to the VC plume of the October 2017 monitoring event.

3.4.4 Horizontal Delineation of COC Plumes

Based on results from the May 2018 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-44D and MW-47D, south of MW-14D, and west and south of MW-39D. From Figure 3-9, the horizontal delineation of the shallow VC is not complete to the east and north (hydraulically up-gradient) of MW-46S.

MTL will continue monitoring the COC concentrations in monitoring wells MW-14D, MW-39D, MW-44D, MW-46S and MW-47D to determine if the concentrations are trending below the delineation criteria and report its findings.

3.4.5 Vertical Delineation of COC Plumes

As noted in EPD's comment letter, dated September 10, 2018 (EPD, 2018), vertical delineation is dependent upon concentrations in deep wells on the leading edge of the plume. During the May 2018 monitoring event, both wells RW-8 and MW-53D were above delineation criterion for Vinyl Chloride. As such, EIC will continue to monitor wells RW-8 and MW-53D for vertical delineation purposes. It should be noted that EIC is considering active remediation of groundwater from well RW-8, that lies near MW-53, as is discussed in Section 7.1.2.

3.4.6 Plume Attenuation and Stability

Based on the relatively high concentrations and horizontal extent of dissolved PCE degradation products observed at the site, it is clearly evident that natural biodegradation of COCs is progressively attenuating the PCE. Also, an overall comparison of the COC plume concentrations 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.

3.4.7 Arsenic Evaluation

As proposed in the Eighth VIRP Semi-annual Progress Report (EIC, 2018), EIC collected samples for arsenic analysis from six targeted wells near former well MW-13S during the May 2018 groundwater monitoring event. The wells targeted include MW-37S, MW-38D, MW-39D, MW-40S, MW-52D and MW-57S. Figure 3-11 illustrates the location of the targeted wells as it relates to the former MW-13S and Table 3-7 includes the analytical results. Based on the analytical data, it is apparent that arsenic concentrations in groundwater were reported as estimated values but below the method detection limit (also known as below reporting limits (BRL)) for samples collected from MW-27S, MW-40S, and MW-38D. The concentrations for the remaining three wells were reportedly below method detection limits.

SECTION

4

4.0 Source Soil (Hot Spot) Removal

In October 2018, MTL excavated residual soil source (hot spot) from AOC-4 and initiated source removal activities in AOC-6 to address potential COCs that exceeded the established RRS in the respective areas of concern. During source removal, EIC observed MTL's soil excavation, collected excavation confirmation samples for laboratory analysis of targeted COCs, and conducted other tasks related to source removal within these AOCs.

4.1 Background

Based on previous sampling data, EIC determined that COCs in soil samples collected from AOC-3, AOC-4 and AOC-6 were above the RRS and planned to remove and dispose of source material exceeding the RRS from these AOCs. Figure 4-1 is a site layout diagram that illustrates the location of each of the three AOCs.

As discussed in the Eighth VIRP Semi-annual Progress Report, MTL conducted hot-spot soil removal at AOC-3 and AOC-4 in March 2018. Due to certain site conditions, however, MTL had deferred removal activities in AOC-6. These site conditions included the presence of flowing water in the north-south stormwater drainage ditch, large trees and underbrush in the AOC-6 area that required site clearance, as well as flooded lowlands west of the drainage ditch. EIC scheduled the AOC-6 excavation activities to coincide with GPA's site clearing activities that were part its site development activities. Based on the March 2018 soil confirmation sampling event, it was apparent that additional excavation and confirmation sampling was required in AOC-4.

4.2 Site Clearance and Preparatory Activities

Prior to initiating the October 2018 excavation activities at AOC-4 and AOC-6, an EIC field geologist installed stakes and surveyor flags to identify the horizontal limits of the excavation areas. EIC utilized a field GPS unit to confirm the limits of the excavation.

During June and July 2018, GPA cleared beaver dams in the north-south ditch that had caused flooding. Beginning in August 2018, GPA removed trees and other vegetation. Clearing activities, included tree removal and grubbing in the wooded areas west and east of the north-south ditch that included AOC-6. During tree removal and grubbing within AOC-6, GPA took measures to minimize the disturbance of source material within the source removal extents of the planned excavation. To assist MTL's soil removal activities, GPA built a temporary earthen dam in the section of the north-south ditch at AOC-6. GPA also temporarily diverted water impounded by the north dam north of AOC-6 around AOC-6 utilizing a contractor pump and hosing.

4.3 Excavations

In October 2018, EIC removed additional source material from AOC-4 and initiated source material excavation at AOC-6. The following subsections outline the source removal activities. The vertical extent of the excavations was limited to the vadose zone based on field observations of shallow groundwater during the excavation activities.

In both excavations, EIC screened the soil for VOCs with a calibrated photo-ionization detector (PID) and recorded the concentrations. Suspected hazardous and non-hazardous soils were segregated and staged in designated stockpile areas during soil removal activities. All field-screened non-hazardous excavated soil was placed onto 6-mil plastic sheeting and covered with the same plastic sheeting at the end of each work day. All suspected hazardous soil material was placed in roll-off containers and covered.

4.3.1 AOC-4

In AOC-4, MTL excavated additional source material beyond the northwestern edge of the previous excavation. Figure 4-2 illustrates the limits of the additional excavation area. The resulting additional excavation was approximately 128 square feet in area and extended to a depth of 6 feet below grade. In total, the excavation generated approximately 29 cubic yards of soil.

4.3.2 AOC-6

Referring to Figure 4-3, the excavation within AOC-6 resulted in the removal of source material from an area of approximately 4,187 square feet and to depths ranging from approximately 3 to 6 feet below grade. The range of depths for the AOC-6 excavation was due to the significant change in ground surface elevation throughout the AOC, as it includes the banks of the north-south drainage ditch and a portion of the low-lying ditch. The excavation in AOC-6 resulted in the generation of approximately 583 cubic yards of soil from the west side of the ditch and 37 cubic yards of sediment from the ditch.

4.4 Confirmation Sampling

Following the completion of excavation activities during the October 2018 excavation event, EIC conducted confirmation soil sampling.

4.4.1 Sample Location and Depth

In general, EIC followed the guidelines listed in the Georgia EPD "Guidance for Demonstrating Completion of Soil Removal Actions a Corrective Action Sites in Georgia" to determine the number and location of the sidewall samples for each AOC (EPD, 2017). Considering these guidelines and the historical analytical data, EIC determined that one confirmation sample would be collected from the northern sidewall of the AOC-4 excavation. EIC also determined that a total of seven confirmation samples and one duplicate sample would be collected from the sidewalls of the AOC-6 excavation.

4.4.2 Sample Collection

Confirmation sampling locations at AOC-4 and AOC-6 are illustrated in Figure 4-2 and Figure 4-3, respectively. The sample locations were approximately located at mid-height of the side wall of the excavation at the sample locations indicated in Figure 4-2 and 4-3. EIC collected the confirmatory samples utilizing a Terra Core® soil sampling kit. For sample collection, EIC directly pushed the syringe(included in the sampling kit) directly into the side wall (after scraping off soil from the surface face of the wall using a clean stainless-steel trowel) to extrude the soil sample. EIC then directly transferred the sample into the sample container (supplied with methanol preservative). EIC conducted the soil sampling following the guidelines specified in the current U.S. EPA soil sampling procedures described in SESDPROC-300-R3 (EPA, 2014). Soil samples were appropriately sealed, labeled, packaged, placed in ice-filled coolers with ice, and delivered to Analytical Environmental Services of Atlanta, Georgia, a Georgia Department of Natural Resources-certified laboratory for analysis. Samples were preserved by maintaining a temperature of 4°C in the sample coolers.

4.4.2.1 QA/QC

For quality control, EIC maintained a laboratory-supplied liquid trip blank in each cooler container with the samples at all times throughout all sampling activities. On completion of all sampling activities, EIC submitted the trip blank along with the soil samples to a Georgia certified laboratory for analysis.

4.4.3 Results

The analytical laboratory utilized EPA method 8260B for sample analysis. The analytical report for the confirmation samples are provided in Attachment 4-1. EIC has summarized the results of the AOC-4 and AOC-6 confirmatory samples in Figure 4-2 and 4-3 respectively.

Referring to Figure 4-2, the analytical data indicates that the COC concentrations for the confirmation sample collected from the final phase of the excavation for AOC-4 are below RRS. As such, excavation tasks in AOC-4 are complete. Referring to Figure 4-3, however, COC concentrations in certain confirmatory samples collected from the northern, western, and southern sidewalls of AOC-6 excavation exceeded RRS. As such, additional excavation and confirmation sampling is required to complete the source removal at AOC-6.

4.4.3.1 QA/QC Results

From Attachment 4-1, COC concentrations in the trip blanks were found to be below detection limits. This finding confirms that EIC's the soil samples were not exposed to cross contamination of COCs.

4.5 Backfilling

According to GPA, the AOC-4 excavation will be backfilled and compacted with clean material during the GPA's site redevelopment activities. Since additional soil excavation is necessary in AOC-6 area, the excavation will remain open until MTL completes additional source removal from this area of concern. Following the completion of source removal activities, GPA will backfill the AOC-6 excavation in accordance with their site redevelopment requirements.

4.6 Stockpile Characterization

The October 2018 soil excavation activities, discussed in this section, resulted in the generation of approximately 29 cubic yards of soil removed from AOC-4 and approximately 620 cubic yards of soil/sediment removed from AOC-6. MTL collected soil samples from these soil stockpiles in preparation of offsite transfer and disposal. Explicit details on stockpile sampling methods, laboratory results, and copies of the executed waste manifests will be included in the next semi-annual report due in May 2019.

4.7 Transportation and Disposal

4.7.1 Non-hazardous Soil

As discussed in Section 5.2 of the Eighth VIRP Semi-annual Progress Report (EIC, 2018), MTL transferred approximately 276 cubic yards of non-hazardous soil from both AOC-3 and AOC-4 to Superior Landfill & Recycling Center in Savannah, Georgia. Copies of the executed waste manifests that accompanied each roll-off container and weight tickets are included in Attachment 4-2.

4.7.2 Hazardous Soil

As discussed in Section 5.2 of the Eighth VIRP Semi-annual Progress Report, MTL staged approximately 12 cubic yards of hazardous soils by MTL on-site in a lined and covered roll-off container

awaiting an approval of the transfer and disposal at an approved hazardous waste disposal facility. In May of 2018, MTL retained Atlantic Waste Services, Inc. to transport the hazardous soil to Chemical Waste Management, Inc. in Emelle, Alabama. A copy of the executed waste manifest that accompanied the roll-off and the receipt of waste shipment are included in Attachment 4-3.

SECTION

5

5.0 Well Network Modifications

Recently, GPA developed its final site redevelopment plans that entails raising the existing grade and paving a large portion of the site. The redevelopment area covers a substantial portion of the former MTL parcel. In reviewing the site redevelopment plans, EIC determined that certain wells in the groundwater monitoring network would require modifications that would result in abandonment, replacement, and installation of riser extensions.

In an email to the EPD, dated June 26, 2018, EIC proposed well modifications to be completed prior to GPA redevelopment activities. As discussed in Section 2.0, the EPD approved the well network modifications and EIC implemented the approved monitoring well network modifications in July 2018. The following subsections describe the monitoring well network modifications in greater detail.

5.1 Well Abandonments

Based on a comprehensive review of the well network, EIC identified 6 monitoring wells, G-17, MW-2S, MW-26, MW-31, MW-32, and MW-35 and 2 recovery wells RW-1 and RW-4 for abandonment. Table 5-1 provides descriptions of each well and the primary reason for abandonment. EIC selected the wells for abandonment based on one or more of the following site conditions:

- Well could no longer yield representative groundwater samples
- Well was serving as a duplicate sample location in close proximity to another representative well
- Well did not add value in delineating the COC plumes

Figure 5-1 illustrates the locations of the abandoned wells. These wells were abandoned in accordance with EPA Region 4 well abandonment guidelines outlined in SESDGUID-101-R1 (EPA, 2013).

5.2 Well Replacements

Upon initiating the VIRP program, EIC retained several existing wells in the monitoring well network that were installed by previous consultants. Considering the age and construction of some of these wells, some wells have degraded in quality over time. As such, EIC replaced, installed, or modified certain wells by over-drilling (or over-reaming) the previous well location or installing the new well at a new location based on GPA redevelopment plans and/or groundwater COC delineation requirements. These include wells, MW-4S, MW-11D, MW-15S, MW-26, and MW-29. Table 5-1 lists the replacement well locations and includes the reasons for their replacement.

The most notable change in the monitoring well network was the relocation of MW-26, which EIC renamed MW-26R. As noted in Figure 5-1, deep well MW-26 was previously located north of the northwest extent of the deep COC plume and historically has been considered an upgradient sentinel well. Given the groundwater flow direction at the site and the already established delineation of the northwestern extent of the deep COC plumes, EIC determined that MW-26R would better serve the monitoring well network as a deep downgradient sentinel well, installed adjacent to the shallow well MW-15S.

All of the wells replaced were abandoned and reinstalled in accordance with EPA Region 4 well abandonment and installation guidelines listed in SESDGUID-101-R1.

5.3 Riser Extensions

EIC identified several wells in the monitoring well network that require a riser extension to conform to the raised site grade that will result from the site redevelopment program. In anticipation of these site redevelopment activities, EIC has added riser extensions on several wells. After GPA completes the final site grading activities, EIC will submit data on the well modifications and updated TOC elevations in a subsequent report.

5.4 Investigation Derived Waste

Solid investigation-derived waste (IDW) composed of soil cuttings generated from well installation and abandonment activities and liquid IDW from well development and decontamination activities was containerized into sealed and labeled 55-gallon drums. In August 2018, MTL characterized and disposed of all solid and liquid IDW.

SECTION

6

6.0 GPA Site Redevelopment

As discussed in the Eighth VIRP Semiannual Report, GPA's redevelopment project entails the construction of a paved area for additional container storage and a new access road (EIC, 2018). The proposed construction will consist of erosion, and sedimentation control, the installation of stormwater drainage utilities and structures, asphalt pavement and base material, asphalt milling and overlay, concrete paving and curb, pavement striping and road signage, electrical and fiber-optics utilities installation. GPA has recently initiated clearing and grading activities at the site.

6.1 Zone 3 Soil Sampling Program

After acquiring the former MTL property, GPA acquired other adjacent land parcels of the Port of Savannah facility to form one large tract. For site redevelopment purposes, GPA divided this tract into three zones as illustrated in Figure 6-1. Referring to Figure 6-1, a large portion of one of the zones, named as Zone 3, is located to the west of AOC-6.

As part of its site redevelopment program, GPA was planning to remove shallow surface soils and improve geotechnical stability in a significantly large lowland area to the west of AOC-6 (within Zone 3) that was often swampy or waterlogged. However, GPA was concerned that the shallow surface soils could be impacted by MTL's legacy solvent release(s). GPA was therefore planning to excavate all surface soils in the area and store the soil in several stockpiles for further delineation. Considering that such stockpiling would result in substantially higher construction costs for GPA, EIC proposed an in-situ soil sampling program to sample the shallow surface soils within Zone 3 area slated for GPA site redevelopment. This approach would also save MTL's delineation and disposal costs - if the soil were found to be impacted from MTL's legacy solvent release(s).

The sampling program entailed the collection of soil samples in a grid pattern within Zone 3, west of the north-south ditch beyond the limits of AOC-6 that was already delineated under the VIRP. Considering that the water table in the subject area is very shallow, soil borings were proposed at the center of each grid, from boreholes extending to a target depth of up to 3 feet bgs. To prevent sample collection from saturated soils influenced by shallow groundwater conditions, EIC proposed that the

borings would be terminated at a shallower depth if saturated soil was intercepted at a depth of less than 3 feet.

In September of 2018 EIC initiated the proposed shallow soil sampling program in Zone 3. Based on prior soil characterization activities completed at the site under the VIRP, EIC established a sampling grid with 50-foot square cells within Zone 3 for the soil sampling program. The following sections describe EICs technical approach and analytical results for the soil sampling program.

6.1.1 Sample Locations

Based on the redevelopment footprint, EIC targeted soil sample collection within the area cleared for the GPA redevelopment program. This resulted in the in a total of 39 soil boring locations within Zone 3. The Zone 3 sampling grid, soil sample locations, and other site features are illustrated in Figure 6-2. EIC personnel utilized a portable GPS device to identify and mark each boring location with numbered wooden stakes in the targeted area within Zone 3.

6.1.2 Sample Collection

EIC conducted the soil sampling following the guidelines specified in the current U.S. EPA soil sampling procedures described in SESDPROC-300-R3 (EPA, 2014). Utilizing a hand-held power auger, EIC conducted soil borings at each boring location to a target depth of 3 feet bgs – as discussed in Section 6.1. EIC then screened each soil boring for volatile organic compounds (VOCs) using a calibrated PID. Based on the field PID readings, it was apparent that none of the soil borings indicated a presence of measurable VOCs in any of the soil borings. Next, EIC scraped off soil from the surface face of the inner sidewall of each soil boring using a decontaminated stainless-steel trowel. Finally, EIC used a Terra Core soil sampling kit to collect soil samples at the mid-point depth of the inner surface of each soil boring.

The soil sample collection processes were similar to those described in Section 4.4.2 in general conformance with the guidelines specified in the current U.S. EPA soil sampling procedures described in SESDPROC-300-R3 (EPA, 2014). Soil samples were appropriately sealed, labeled, packaged, placed in ice-filled coolers with double-bagged and sealed ice, and delivered to Analytical Environmental Services of Atlanta, Georgia, a Georgia Department of Natural Resources-certified laboratory for analysis. Samples were preserved by maintaining a temperature of 4°C in the sample coolers.

6.1.2.1 QA/QC

To verify proper equipment decontamination procedures, EIC collected equipment blanks. For quality control, EIC also maintained a laboratory-supplied liquid trip blank in each cooler container with the samples at all times throughout all sampling activities. On completion of all sampling activities, EIC

submitted both the equipment blank and the trip blank along with the soil samples to a Georgia certified laboratory for analysis.

6.1.3 Sampling Results

The analytical laboratory utilized EPA method 8260B for sample analysis. The analytical report for the confirmation samples are provided in Attachment 6-1. The analytical results of the soil samples are tabulated in Table 6-1. Referring to the table, it is apparent that the COCs in only two soil samples exceeded the delineation standard concentrations established in the VIRP for soil. Soil sample F-5 contained concentrations of PCE and TCE above delineation standards and soil sample D-4 contained concentrations of DCE above the delineation standard concentration. However, the COC concentrations in all soil samples remained below the RRS established in the VIRP.

6.1.3.1 QA/QC Sample Results

The results of the equipment and trip blanks are included in Attachment 6-1. From Attachment 6-1, the analytical results of the equipment and trip blank document that all VOCs analyzed under EPA Method 8260B were below method detection limits. This finding confirms that equipment decontamination was performed properly and the soil samples were not exposed to cross contamination of COCs.

6.2 Damaged Wells

In addition to EIC's well modifications discussed in Section 5.3, GPA performed additional modifications to protect on-site monitoring and recovery wells from damage during construction redevelopment activities as discussed in the Eighth VIRP Semiannual Report (EIC, 2018). These protections included additional riser extensions to the wells and bright orange paint for greater visibility and construction fencing to create a buffer around each well. During GPA site redevelopment activities, however, some of the monitoring wells in the monitoring well network were damaged.

The damaged wells include MW-40S, MW-47D, MW-56D, and MW-58D. Since the damages to these wells were relative minor, EIC notified GPA about the damages and requested minor rehabilitation to repair the wells. Upon completion of all site redevelopment activities, EIC will conduct a comprehensive well network review to determine whether additional wells in the VIRP monitoring network need to be repaired or replaced.

SECTION

7

7.0 Groundwater Treatment System

As proposed in the VIRP for the site, EIC designed a groundwater treatment system (GTS) to remediate residual groundwater contamination present at the site, following the removal of source areas discussed in Section 4.0. The following subsections discuss the permitting, effluent discharge layout, and treatment system design steps that EIC has completed so far.

7.1 Updated Treatment System Design

Based on progressive knowledgebase gained during the implementation of the VIRP tasks discussions with GPA's site development plans, EIC has made certain design changes. The following subsections discuss the key design changes and the current strategy for the remediation system design.

7.1.1 Design Changes

In the VIRP, EIC proposed to install an Enhanced Attenuation System (EAS) with optional additions of nutrients or other enrichments to treated water that would be reintroduced to the groundwater table at the site via an exfiltration trench. Based on the decreasing trend in residual COC concentrations at the site and the site conditions, EIC has determined that the optional EAS is not necessary to complete the groundwater remediation objectives for the site.

Additionally, upon completing open-pit infiltration testing at the site, as discussed in the Seventh VIRP Semi-annual Report (EIC, 2017b), EIC determined that reintroducing the treated groundwater into the underlying water table would not be feasible, due to the low infiltration rates of the vadose zone soils. Alternatively, MTL is in the process of preparing a work plan to discharge the treated wastewater to the City of Port Wentworth Wastewater Treatment Facility (WWTF).

7.1.2 Current Treatment System Design

Figure 7-1 illustrates the current remedial system design. From Figure 7-1, groundwater pumped from recovery wells RW-8 and RW-9, will be conveyed to the GTS through below-grade pipes, and enter a

holding tank to regulate the flow of water through the GTS. The water will then be pumped from the holding tank to an air stripper system. Based on the COC concentrations in groundwater at the site, EIC has determined that the resulting effluent COC concentrations would be below the threshold limits of Georgia Water Quality standards to be discharged into a public sanitary sewer system. From the air stripper, the treated effluent will be discharged to a City of Port Wentworth sewer line connected to the WWTF via the nearby "manhole 1" as discussed in Section 7.2.

The GTS will be housed in a protective enclosed structure and will be operated with a control panel housed in the enclosure. Special vaults will be installed for wells RW-8 and RW-9 to facilitate future access for maintenance. The pumps in RW-8 and RW-9 will be installed such that the pump depths within the well can be adjusted based on pumping water levels. Following the installation of the system at the site, EIC will provide a more detailed description of the system components and operations.

7.1.3 Permitting

On behalf of MTL, EIC submitted an Application for Pretreatment Permit to the EPD for review in May 2018. The application is included as Attachment 7-1. From Attachment 7-1, the application described the expected flow rates and COC concentrations of the proposed groundwater treatment system. In July 2018, EPD replied to the permit application with a letter of acknowledgement stating that the discharge from the treatment system does not meet the criteria requiring MTL to obtain a Pretreatment Permit to discharge to the City of Port Wentworth, Georgia. The acknowledgement letter is included as Attachment 7-2.

7.2 Effluent Discharge Layout

Based on the current GPA redevelopment plans discussed in Section 6.0, GPA proposed an alternate location for the GTS at the site along the northern edge and within the fenced boundary of the GPA property boundary. The location of the system at the site is illustrated in Figure 7-1. Referring to Figure 7-1, groundwater pumped from the recovery wells will be conveyed to the GTS through below-grade conveyance lines illustrated in the figure. Effluent from the GTS will be conveyed to "manhole 1" using additional pipes to be installed at the site as illustrated in Figure 7-1.

Based on drawings provided by GPA, from manhole 1, the effluent will gravity flow into a pump lift station located west of manhole 1. The conveyed water along with surface water from other GPA sources that is collected in the lift station will be pumped to the WWTF. Currently, MTL is awaiting the final site grade details from GPA for the proposed GTS location to prepare drawings illustrating the final effluent discharge line profiles and orientation. After GPA approval of these drawings, EIC will submit the drawings to City of Port Wentworth for any required approvals.

SECTION

8

8.0 Summary

Following the submittal of the Eighth VIRP Semiannual Report in May 2018, EIC completed various tasks outlined in the VIRP and additional related tasks. The following paragraphs summarize these activities.

In May 2018, EIC conducted the first semi-annual groundwater monitoring event of 2018. This event served as the seventh 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 monitored COC plumes of this event with the characteristics of the plumes during previous monitoring events. Based on the decrease in the PCE concentrations and increase in the PCE degradation constituents observed at the site during the May 2018 event, it is evident that natural attenuation continues to progress well at the site. In general, the COC plume is stable, confined to a relatively small area within the site, and continues to decrease in overall concentration.

MTL successfully completed the excavation of a small portion of residual soils from AOC-4 that had remained above RRS. The confirmatory soil sampling results for AOC-4 indicate that all residual source materials have been removed and source removal for AOC-4 is completed. MTL also initiated the excavation of sediments/soil within AOC-6. However, confirmatory results for AOC-6 indicate that additional residual soil removal is necessary to the north, west, and south of the original excavation limits. MTL is currently in the process of scheduling additional residual soil removal activities for AOC-6 and EIC will include an update regarding these excavation activities in the next semiannual progress report.

During this reporting period, EIC completed all proposed well network modifications approved by the EPD in the September 10, 2018 EPD comments letter. This included the abandonment, reinstallation, or relocation of several wells within the monitoring network, to better facilitate groundwater delineation objectives.

In support of GPA's site redevelopment program beyond the former MTL property boundaries, EIC completed grid soil sampling in an area designated as GPA redevelopment Zone 3. Based on the

analytical results from the soil samples collected within Zone 3, it was apparent that the COCs soils in the area beyond AOC-6 were below RRS.

During GPA's site redevelopment activities, several wells were damaged at the site. None of the wells have been rendered unusable. However, EIC has notified GPA that some rehabilitation and repairs will be required. EIC will continue to monitor the site conditions and conduct a comprehensive evaluation of all wells in the network after GPA completes its site redevelopment activities.

EIC has modified the GTS design based on GPA's site redevelopment plans. The current design entails treatment of groundwater and conveyance of the treated effluent to the GPA lift station through a nearby manhole. EPD has notified EIC that a pretreatment permit is not required for discharge the treated effluent. Upon confirmation of the final location for the GTS, EIC will prepare detailed drawings for the discharge of the treated effluent to the GPA manhole.

SECTION

9

9.0 Monthly Summary of Hours

A monthly summary of hours invoiced for the aforementioned tasks during the period from May 2018 through October 2018 is summarized in Attachment 9-1.

SECTION

10

10.0 References

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

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

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

NINTH SEMI-ANNUAL PROGRESS REPORT

TABLES

Table 3-1: May 2018 Well Gauging Data

Well ID # (Dia., in.)	TOC Elevation (ft., NAVD88)	DTW BTOC (ft.)	Groundwater Surface Elevation (ft., NAVD88)	Notes
Shallow Wells*				
G-17 (1)	8.94	4.75	4.19	
G-19 (1)	9.85	6.27	3.58	light rain during gauging
G-22R (2)	17.17	14.58	2.59	
MW-2S (2)	11.54	5.10	6.44	
MW-4S (2)	10.86	5.66	5.20	well missing cap
MW-15S (1)	8.27	3.80	4.47	
MW-29 (1)	9.39	2.74	6.65	well initially submerged, cleared water from vault prior to gauging
MW-31 (1)	11.96	5.74	6.22	
MW-32 (1)	12.02	5.80	6.22	
MW-33 (1)	8.48	3.87	4.61	
MW-37S (2)	10.14	5.08	5.06	
MW-40S (2)	5.57	0.73	4.84	
MW-42S (2)	10.71	4.21	6.50	
MW-45S (2)	13.74	6.79	6.95	
MW-46S (2)	14.01	7.18	6.83	rain event during gauging
MW-48S (2)	13.56	6.87	6.69	
MW-50S (2)	11.18	5.55	5.63	
MW-57S (2)	9.68	3.34	6.34	
PAW-3 (2)	11.83	5.82	6.01	
Deep Wells*				
MW-2D (2)	11.39	5.15	6.24	
MW-11D (2)	16.07	9.10	6.97	
MW-14D (2)	12.06	6.34	5.72	
MW-26 (1)	8.42	3.60	4.82	
MW-35 (0.75)	6.28	0.51	5.77	shallow standing water around base of well stick-up.
MW-36R (2)	7.80	2.55	5.25	
MW-38D (2)	10.08	5.41	4.67	
MW-39D (2)	7.25	3.16	4.09	
MW-41D (2)	9.59	3.95	5.64	heavy rain during gauging
MW-43D (2)	10.77	4.60	6.17	
MW-44D (2)	13.83	7.30	6.53	
MW-47D (2)	13.63	7.08	6.55	
MW-49D (2)	11.09	5.60	5.49	
MW-51D (2)	9.87	4.79	5.08	
MW-52D (2)	8.29	3.34	4.95	brief rain during gauging
MW-53D (2)	7.62	2.50	5.12	heavy rain during gauging
MW-54D (2)	10.91	4.97	5.94	
MW-55D (2)	11.78	5.94	5.84	
MW-56D (2)	10.68	4.52	6.16	
MW-58D (2)	9.82	3.43	6.39	
PAW-4 (2)	11.99	5.86	6.13	
RW-1 (4)	11.69	5.36	6.33	
RW-4 (6)	13.25	6.88	6.37	
RW-8 (4)	7.43	2.20	5.23	
RW-9 (4)	11.79	5.56	6.23	

Notes:

ID = Identity
Dia. = Internal Diameter
In. = Inches
ft. = feet
BTOC = Below Top of Casing
DTW = Depth to Water
TOC = Top of Casing
NAVD88 = North American Vertical Datum of 1988

*Wells with screen intervals reaching depths greater than 20 feet below ground surface are considered deep wells, otherwise they are considered shallow wells. Note that, well G-22R is considered a shallow well, despite its total depth greater than 20 feet bgs due to its location on an earthen berm with a height of approximately 12 feet above the native ground surface.

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	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	1.470	0.00	1.20
	10/2/2017	26.99	6.77	42	0.791	9.20	1.03
	5/16/2018	24.50	6.51	74	1.33	8.40	2.13
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
	10/4/2017	26.70	4.94	141	0.059	9.90	0.78
	5/16/2018	23.99	5.18	21	0.105	31.40	2.20
G-22 (ABD)	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
G-22R	7/12/2017	25.94	7.47	-31	0.288	47.30	0.60
	10/4/2017	23.51	7.85	46	0.247	9.20	1.08
	5/16/2018	26.34	7.57	18	0.273	9.70	0.68
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	0.220	0.00	1.90
	10/2/2017	24.97	6.67	34	0.360	0.60	0.82
	5/15/2018	23.98	6.35	70	0.360	1.46	0.51
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	6.23	80	1.220	0.00	2.80
	10/2/2017	25.95	7.03	43	0.760	0.70	1.28
	5/15/2018	24.14	6.74	-61	1.860	1.86	0.00

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/3/2017	26.17	5.51	3	1.540	16.50	0.70
	5/17/2018	24.49	6.18	-34	1.540	0.00	0.01
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
	10/2/2017	24.97	6.62	40	0.239	7.00	1.37
	5/15/2018	23.96	6.28	71	0.258	9.60	0.56
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
	10/4/2017	27.08	7.22	22	0.135	0.00	1.68
	5/16/2018	25.86	7.00	-80	2.020	5.15	0.53
MW-15S	8/13/2013	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
	10/3/2017	24.29	7.59	-12	0.256	13.80	1.75
	5/16/2018	22.90	7.09	40	2.960	9.70	0.76

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/3/2017	24.57	6.94	24	0.433	3.70	1.91
	5/16/2018	21.87	8.01	-16	0.388	1.58	0.77
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
	10/2/2017	26.52	5.25	98	0.427	0.40	0.87
	5/17/2018	27.26	5.92	59	4.090	8.09	0.00
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
	10/4/2017	26.17	5.56	48	0.447	15.40	0.77
	5/17/2018	22.05	5.61	175	0.472	118.00	0.00
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
	10/4/2017	22.74	4.44	266	0.389	0.1	2.78
	5/17/2018	21.29	5.10	259	0.305	0.00	0.15

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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	2.0	0.00
	4/26/2017	24.65	6.43	84	0.613	1.7	1.55
	10/2/2017	25.85	7.60	-4	0.314	0.0	1.75
	5/16/2018	21.32	7.11	-52	0.556	5.7	0.49
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
	10/3/2017	25.02	6.66	2	0.408	1.2	1.13
	5/16/2018	25.15	7.83	17	0.290	8.20	1.01
MW-36 (ABD)	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
MW-36R	10/4/2017	25.95	7.10	-66	3.670	1.30	0.88
	5/16/2018	25.28	7.78	-15	0.274	9.00	0.61
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
	10/4/2017	26.78	6.88	26	0.188	1.00	0.74
	5/16/2018	25.49	6.70	-59	0.288	21.60	0.00
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
	10/4/2017	27.51	7.76	-29	0.258	4.10	0.78
	5/16/2018	22.97	7.33	-63	0.366	9.04	0.00
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
	10/3/2017	22.40	6.90	-8	0.398	0.30	1.59
	5/16/2018	24.33	8.26	-97	0.266	6.70	0.88

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/3/2017	23.06	6.03	-39	0.330	4.20	1.00
	5/16/2018	27.18	6.91	-38	0.269	18.50	0.37
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
	10/3/2017	29.36	6.93	-61	0.330	0.00	0.80
	5/17/2018	25.22	7.40	14	0.232	4.10	0.59
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	0.4	0.57
	10/2/2017	30.60	5.96	-30	1.640	2.00	0.89
	5/15/2018	27.41	6.63	42	1.490	9.2	1.09
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
	10/2/2017	29.80	6.47	118	0.473	4.40	0.86
	5/15/2018	27.51	7.40	-2	0.301	9.10	0.85
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
	10/3/2017	30.74	4.91	83	0.595	0.50	1.19
	5/16/2018	29.71	5.58	82	0.476	9.40	0.85
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
	10/3/2017	31.55	4.66	96	0.630	0.00	0.84
	5/16/2018	29.74	5.34	82	0.499	8.80	0.74
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
	10/2/2017	27.30	6.46	87	0.444	5.20	0.86
	5/16/2018	26.60	6.22	201	0.442	9.70	1.43

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/2/2017	25.33	5.37	89	0.324	0.40	1.78
	5/15/2018	22.74	6.17	64	0.342	26.20	0.00
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
	10/2/2017	26.03	3.82	329	0.150	0.00	2.24
	5/15/2018	22.85	4.38	258	0.154	0.00	0.14
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
	10/4/2017	27.10	7.59	-27	0.339	2.80	1.02
	5/17/2018	28.57	6.90	0	0.534	9.70	0.76
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
	10/4/2017	28.96	5.40	103	0.455	1.10	0.72
	5/17/2018	27.80	5.70	86	0.500	7.60	0.44
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
	10/4/2017	26.15	6.88	-61	0.355	1.90	0.93
	5/17/2018	25.52	7.36	18	0.438	3.74	0.00
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
	10/4/2017	25.76	6.74	-43	0.660	5.30	0.66
	5/17/2018	22.36	7.20	-34	0.335	7.84	0.00
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
	10/4/2017	28.18	6.62	-12	0.560	0.20	1.11
	5/17/2018	24.38	6.68	9	1.390	0.00	0.00

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/4/2017	26.16	6.95	-24	0.302	0.40	0.89
	5/17/2018	24.73	7.74	-3	0.241	9.30	1.10
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
	10/4/2017	27.38	8.04	-48	0.216	0.00	1.09
	5/17/2018	27.56	7.78	-10	0.271	9.70	0.65
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
	10/4/2017	27.70	7.93	-35	0.179	3.40	0.66
	5/17/2018	26.05	7.35	27	0.234	9.30	0.68
MW-57S	7/12/2017	26.78	5.51	97	0.592	69.6	0.53
	10/4/2017	25.10	5.18	108	0.856	14.50	1.00
	5/17/2018	26.05	5.70	116	0.368	29.80	0.48
MW-58D	7/12/2017	24.39	7.58	-14	0.261	257.0	0.86
	10/4/2017	24.03	6.99	-69	0.293	4.70	1.45
	5/17/2018	23.93	7.64	41	0.244	9.30	0.86
MW-U2 (ABD)	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
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
	10/3/2017	28.10	6.66	57	0.348	0.30	1.83
	5/15/2018	24.01	6.48	40	0.472	9.70	0.59
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
	10/3/2017	25.84	6.89	39	0.383	2.30	1.97
	5/15/2018	25.52	6.50	56	0.429	8.40	0.57

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
RW-1	8/13/2013	25.25	5.88	5	0.683	0.00	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
	10/3/2017	24.26	6.48	31	0.497	5.60	0.99
	5/15/2018	26.68	6.24	53	0.608	9.40	0.64
RW-2 (ABD)	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 (ABD)	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
	10/3/2017	25.28	7.07	11	0.672	0.40	0.87
RW-5 (ABD)	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 (ABD)	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
RW-7 (ABD)	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

Table 3-2: Chronological Groundwater Quality Field Parameters Summary

Well ID #	Sample Date	Temp (Celcius)	pH (SU)	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
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
	10/4/2017	26.99	6.50	-42	0.497	0.30	1.06
	5/17/2018	28.38	6.47	31	1.210	8.20	0.50
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
	10/3/2017	26.40	7.62	-18	0.236	6.00	0.90
	5/15/2018	23.20	6.51	-13	0.422	6.18	0.00

Notes:

Field parameters were recorded by EIC during groundwater monitoring events after stabilization had been reached and prior to sample collection. Parameters were measured with a Horiba U-52 Water Quality Meter with a Flow-Through Cell

ID - Identity
SU - Standard Unit
mV - Millivolts
mS/cm - Microsiemens per centimeter
NTU - Nephelometric Turbidity Unit
mg/L - Milligrams per liter
ABD - Abandoned

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		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		U		2,900.00		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Feb-96	NI		NI		NI		NA		460.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Mar-96	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		11,000.00		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-96	NI		NI		NI		31.00		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Apr-97	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		111.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-97	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		U		NU	
Feb-98	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		U		200.00		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-98	NI		NI		NI		NA		1,580.00		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Feb-99	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		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		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		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		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Aug-01	NI		NI		NI		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-01	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		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jan-02	NI		NI		NI		<1		NA		<1		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		<1		NU	
Sep-02	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		<0.43		NU	
Jan-04	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-04	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		NA		100.00	U	NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-05	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Oct-06	NI		NI		NI		NA		146.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Apr-07	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-08	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-09	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		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		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	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		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		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		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		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		<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	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	<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		<0.15	U	<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	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	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	<0.74	U	<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	<0.74	U	<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	<0.29	U	<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		<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	<0.46	U	NI		<0.46	U	ABD	
Jul-17	NS		NS		<0.46	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		4.7	J	NS		ABD	
Oct-17	<0.46	U	<0.46	U	<0.46	U	<0.46	U	<0.46	U	<0.46	U	<0.46	U	12		25.0		<0.46	U	2.2	J	9.8		<0.46	U	<0.46	U	<0.46	U	<0.46	U	630.0		5.7		<0.46	U	ABD	
May-18	<0.46	BRL	<0.46	BRL	<0.46	BRL	<0.46	BRL	<0.46	BRL	<0.46	BRL	<0.46	BRL	7.1		15.0		<0.46	BRL	1.9	J	120		<0.46	BRL	<0.46	BRL	<0.46	BRL	<0.46	BRL	400.0		13.0		<0.46	BRL	ABD	

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	460.0	125.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-94	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	NA	500.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Mar-96	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	400.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Oct-96	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	180.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NU
Jul-97	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	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	U	NU
Feb-98	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	86.0	680.0	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-98	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	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	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	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	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	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Aug-01	NI	NI	NI	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Nov-01	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	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jan-02	NI	NI	NI	<1	NA	<1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	726.0	NU
Sep-02	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	NA	680.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	340.0	NU
Jan-04	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	NA	750.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	450.0	NU
May-05	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	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-05	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	640.0	NU
Dec-05	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	NA	528.0	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Apr-07	NI	NI	NI	NA	NA	<0.3	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	230.0	NU
Nov-07	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	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jun-09	NI	NI	NI	NA	NA	NA	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NA	NU
Jul-10	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	NA	48.0	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	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	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	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	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	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	<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	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	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	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	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	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	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	<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	<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	<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	ABD
Jul-17	NS	NS	<0.30 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.8	NS	ABD
Oct-17	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	27.0	12.0	<0.30 U	2.0 J	200.0	<0.30 U	<0.30 U	<0.30 U	<0.30 U	4,700.0	7.0	<0.30 U	ABD
May-18	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	12.0	9.5	<0.30 BRL	1.9 J	1,600.0	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	3,100.0	16.0	<0.30 BRL	ABD

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		U		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Mar-94	NI		NI		NI		U		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Feb-96	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		U		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Sep-96	NI		NI		NI		U		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-96	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		U		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Jul-97	NI		NI		NI		U		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-97	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		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		U		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-98	NI		NI		NI		NA		912.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Feb-99	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		60.5		850.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
May-00	NI		NI		NI		22.8		956.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		1,390.0		NU	
Jan-01	NI		NI		NI		31.2		7,580.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		1,500.0		NU	
Aug-01	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		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-01	NI		NI		NI		NA		360.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Dec-01	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		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		NA		660.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		740.0		NU	
Oct-03	NI		NI		NI		NA		4,100.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		820.0		NU	
Jan-04	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		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		NA		5,700.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-05	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Oct-06	NI		NI		NI		NA		2,410.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Apr-07	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		NA		NA		NL		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NL		NU	
Jun-08	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-09	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		NA		930.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		2.5		NU	
Dec-10	NI		NI		NI		NA		930.0		NL		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		200.0		NU	
Mar-11	0.2	U	0.2	U	0.2	U	NA		NA		NA		5.8		15.0		220.0		5,100.0		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-11	NA		NA		NA		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		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		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		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		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		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		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		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	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	<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	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	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	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		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	ABD	
Jul-17	NS		NS		<0.28	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		19.0		NS		ABD	
Oct-17	<0.28	U	<0.28	U	<0.28	U	10.0		4,900.0		<0.28	U	<0.28	U	31.0		44.0		47.0		7.7		2,200.0		<0.28	U	17.0		6.2		<0.28	U	8,100.0		22.0		<0.28	U	ABD	
May-18	<0.28	BRL	<0.28	BRL	<0.28	BRL	18.0		7,300.0		2.1	J	<0.28	BRL	30.0		46.0		87.0		11.0		12,000.0		<0.28	BRL	2.7	J	6.4		2.1	J	6,800.0		54.0		<0.28	BRL	ABD	

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		8,830.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Mar-94	NI		NI		NI		1,200.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Feb-96	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		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Sep-96	NI		NI		NI		280.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-96	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		2,200.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Jul-97	NI		NI		NI		380.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NU	
Oct-97	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		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		1,800.0		U		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-98	NI		NI		NI		NA		1.8		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Feb-99	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		37.1		4.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
May-00	NI		NI		NI		9.8		7.6		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		130.0		NU	
Jan-01	NI		NI		NI		12.4		28.7		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		240.0		NU	
Aug-01	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		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-01	NI		NI		NI		NA		23.0		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Dec-01	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		34.0		NA		<1		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		160.0		NU	
Sep-02	NI		NI		NI		NA		<25		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		33.0		NU	
Oct-03	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Nov-04	NI		NI		NI		NA		73.0		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		130.0		NU	
May-05	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-05	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		120.0		NU	
Dec-05	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		NA		20.0	U	NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Apr-07	NI		NI		NI		NA		NA		<0.4		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		138.0		NU	
Nov-07	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		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jun-09	NI		NI		NI		NA		NA		NA		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NI		NA		NU	
Jul-10	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		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	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		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		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		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		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	<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	<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	<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		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	<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	<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	<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	<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	<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	NS		<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	ABD	
Jul-17	NS		NS		<0.30	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		<0.30		NS		ABD	
Oct-17	<0.30	U	<0.30	U	<0.30	U	0.9	J	93.0		<0.30	U	<0.30	U	<0.30	U	<0.30	U	11.0		<0.30	U	5.3		<0.30	U	5.5		14.0		<0.30	U	240.0		<0.30	U	<0.30	U	ABD	
May-18	<0.30	BRL	<0.30	BRL	<0.30	BRL	3.2		150.0		<0.30	BRL	<0.30	BRL	<0.30	BRL	<0.30	BRL	27.0		<0.30	BRL	59.0	J	<0.30	BRL	0.9	J	9.6		<0.30	BRL	170.0		<0.30	BRL	<0.30	BRL	ABD	

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	
1,1-Dichloroethene	Type 4 RRS (µg/L)				NA				Delineation Criteria (µg/L)						7																									
Oct-14	<0.11	U	<0.11	U	NS		<0.11	U	11.0	J	<0.11	U	<0.11	U	<0.11	U	<0.55	U	**1.4**	J	NI		NI		NI		NI		NI		NI		NI		NI		**0.24**	J	NU	
Jan-15	<0.36	U	<0.36	U	NS		<0.36	U	7.6	J	<0.36	U	<0.36	U	<0.36	U	**1.2**	J	**2.6**	J	NI		NI		NI		NI		NI		NI		NI		NI		<0.36	U	<0.36	U
Apr-15	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<7.2	U	<0.36	U	<0.36	U	<0.36	U	**0.56**	J	<1.8	U	<0.36	U	<18	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<3.6	U	NI		<0.36	U	<0.36	U
Oct-15	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<18	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	**0.42**	J	<0.36	U	<18	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<9.0	U	NI		<0.36	U	<0.36	U
Apr-16	<0.36	U	<0.36	U	<0.36	U	<0.36	U	22.0		<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<18	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<3.6	U	NI		<0.36	U	<0.36	U
Nov-16	<0.36	U	<0.36	U	<0.36	U	<0.36	U	13.0		<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	12		NI		<0.36	U	NU	
Apr-17	<0.4	U	<0.4	U	NS		<0.4	U	18.0		<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	17		NI		<0.4	U	ABD	
Jul-17	NS		NS		<0.4	U	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		<0.4	U	NS		ABD	
Oct-17	<0.4	U	<0.4	U	<0.4	U	<0.4	U	15.0		<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	**4**	J	<0.4	U	<0.4	U	<0.4	U	<0.4	U	18		<0.4	U	<0.4	U	ABD	
May-18	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	16.0		<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<20	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	13		<0.4	BRL	<0.4	BRL	ABD	

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
NA - Well not accessible
NS - Well not sampled
NI - Well not installed
NU - Well not utilized in groundwater sampling program
NL - Well not located

ABD- Well was abandoned
U/ BRL - Not detected at MDL
< - less than method detection limit (MDL)
J - Estimated value detected below Reporting 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-36R	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 U	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	ABD	ABD	<0.74	ABD	ABD	ABD	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	ABD	ABD	<0.74	ABD	ABD	ABD	<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	ABD	ABD	<0.29 U	ABD	ABD	ABD	<0.29 U	<0.29 U
Apr-17	<3.3 J	<0.46 U	<3.9 J	NL	<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	ABD	ABD	<0.46 U	ABD	ABD	ABD	<0.46 U	<0.46 U
Jul-17	NS	NS	NS	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.46	NS	NS	ABD	ABD	NS	ABD	ABD	ABD	NS	NS
Oct-17	<0.46 U	<0.46 U	1.9 J	NL	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	<0.46 U	9.0	<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	ABD	ABD	<0.46 U	ABD	ABD	ABD	<0.46 U	<0.46 U
May-18	4.6 J	<0.46 BRL	1.2 J	NL	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	1.5 J	<0.46 BRL	<0.46 BRL	<0.46 BRL	5.0 J	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	<0.46 BRL	3.0 J	<0.46 BRL	ABD	ABD	NS	ABD	ABD	ABD	<0.46 BRL	<0.46 BRL
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	ABD	ABD	0.7 J	ABD	ABD	ABD	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	ABD	ABD	<0.48 U	ABD	ABD	ABD	<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	ABD	ABD	<0.35 U	ABD	ABD	ABD	<0.35 U	<0.35 U
Apr-17	72.0	<0.30 U	4.2 J	NL	<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	ABD	ABD	<0.30 U	ABD	ABD	ABD	<0.30 U	1.9 J
Jul-17	NS	NS	NS	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.30	NS	NS	ABD	ABD	NS	ABD	ABD	ABD	NS	NS
Oct-17	<0.30 U	<0.30 U	5.6	NL	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	15.0	26.0	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	<0.30 U	ABD	ABD	<0.30 U	ABD	ABD	ABD	<0.30 U	<0.30 U
May-18	<0.30 BRL	<0.30 BRL	6.4	NL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	9.7	<0.30 BRL	<0.30 BRL	9.8	14.0	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	2.7 J	3.7 J	<0.30 BRL	ABD	ABD	NS	ABD	ABD	ABD	<0.30 BRL	<0.30 BRL

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-36R	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	ABD	ABD	2.7	ABD	ABD	ABD	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	ABD	ABD	1.9	ABD	ABD	ABD	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	ABD	ABD	2.6 J	ABD	ABD	ABD	2.7 J	150.0
Apr-17	470.0	<0.28 U	6.7	NL	<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	ABD	ABD	1.4 J	ABD	ABD	ABD	2,500.0	590.0
Jul-17	NS	NS	NS	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.28	NS	NS	ABD	ABD	NS	ABD	ABD	ABD	NS	NS
Oct-17	170.0	1.5 J	4.3 J	NL	<0.28 U	<0.28 U	2.1 J	<0.28 U	1.0 J	<0.28 U	<0.28 U	26.0	41.0	140.0	37.0	38.0	48.0	8.2	27.0	<0.28 U	<0.28 U	200.0	12.0	ABD	ABD	2.5 J	ABD	ABD	ABD	89.0	130.0
May-18	200.0	<0.28 BRL	9.4	NL	<0.28 BRL	<0.28 BRL	1.6 J	<0.28 BRL	46.0	<0.28 BRL	<0.28 BRL	18.0	49.0	2,000.0	840.0	6.5	510.0	9.3	41.0	3.2 J	4.8 J	510.0	7.5	ABD	ABD	NS	ABD	ABD	ABD	1,100.0	140.0
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	ABD	ABD	<0.50 U	ABD	ABD	ABD	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	ABD	ABD	<0.50	ABD	ABD	ABD	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	ABD	ABD	1.3 J	ABD	ABD	ABD	1.0 J	94.0
Apr-17	160.0	<0.30 U	<0.30 U	NL	<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	<0.30 U	NI	30.0	<2.2 U	ABD	ABD	1.1 J	ABD	ABD	ABD	<0.30 U	150.0
Jul-17	NS	NS	NS	NL	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<0.30 U	NS	NS	ABD	ABD	NS	ABD	ABD	ABD	NS	NS
Oct-17	300.0	<0.30 U	<0.30 U	NL	<0.30 U	<0.30 U	1.6 J	<0.30 U	<0.30 U	<0.30 U	<0.30 U	3.3	<0.30 U	350.0	57.0	<0.30 U	98.0	19.0	47.0	<0.30 U	<0.30 U	63.0	3.0	ABD	ABD	1.2 J	ABD	ABD	ABD	14.0	68.0
May-18	42.0	<0.30 BRL	<0.30 BRL	NL	<0.30 BRL	<0.30 BRL	21.0	<0.30 BRL	<0.30 BRL	<0.30 BRL	<0.30 BRL	9.8	14.0	<0.30 BRL	450.0	<0.30 BRL	260.0	19.0	82.0	<0.30 BRL	<0.30 BRL	71.0	<0.30 BRL	ABD	ABD	NS	ABD	ABD	ABD	170.0	130.0

McKenzie Tank Lines, Port Wentworth, GA

Table 3-4: Deep Groundwater Constituents of Concern Cumulative Analytical Results

Deep Wells

Constituent of Concern/Well ID / Date	MW-2D		MW-11D		MW-14D		MW-15D		MW-26		MW-35		MW-36/ MW-36R		MW-38D		MW-39D		MW-41D	
1,1-Dichloroethene			Type 4 RRS (µg/L)				NA				Delineation Criteria (µg/L)				7					
Oct-14	18		<0.11	U	<0.11	U	NL		<0.11	U	<0.11	U	<0.11	U	NI		NI		NI	
Jan-15	63		<0.36	U	<0.36	U	NL		<0.36	U	<0.36	U	<0.36	U	NI		NI		NI	
Apr-15	78		<0.36	U	<0.36	U	NL		<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Oct-15	55		<0.36	U	<0.36	U	NL		<0.37	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Apr-16	53		<0.36	U	<0.36	U	NL		<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Oct-16	**4.9**	J	<0.36	U	<0.36	U	NL		<0.36	U	<0.36	U	NS		<0.36	U	<0.36	U	<0.36	U
Apr-17	22		<0.4	U	<0.4	U	NL		<0.4	U	<0.4	U	NS		<0.4	U	<0.4	U	<0.4	U
Jul-17	NS		NS		NS		NL		NS		NS		NS		NS		NS		NS	
Oct-17	**2.6**	J	<0.4	U	<0.4	U	NL		<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
May-18	**1.8**	J	<0.4	BRL	<0.4	BRL	NL		<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL	<0.4	BRL

Date	MW-43D		MW-44D		MW-47D		MW-49D		MW-51D		MW-52D		MW-53D		MW-54D		MW-55D		MW-56D	
Oct-14	NI		NI		NI		NI		NI		NI		NI		NI		NI		NI	
Jan-15	NI		NI		NI		NI		NI		NI		NI		NI		NI		NI	
Apr-15	<0.36	U	<0.36	U	<0.36	U	**2.1**	J	**2.2**	J	<0.36	U	<0.36	U	<0.36	U	<3.6	U	<0.36	U
Oct-15	<0.36	U	<0.36	U	<0.36	U	<1.8	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Apr-16	<0.36	U	<0.36	U	<0.36	U	**6.2**	J	<0.36	U	<0.36	U	<0.36	U	<0.36	U	**0.75**	J	<0.36	U
Oct-16	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U	<0.36	U
Apr-17	<0.4	U	<0.4	U	<0.4	U	**3.3**	J	**3**	J	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
Jul-17	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Oct-17	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U	<0.4	U
May-18	<0.4	BRL	<0.4	BRL	<0.4	BRL	**6.3**		**3.8**	J	<0.4	BRL	**2.8**	J	<0.4	BRL	<0.4	BRL	<0.4	BRL

Date	MW-58D		PAW-4		RW-1		RW-2		RW-3		RW-4		RW-5		RW-6		RW-7		RW-8		RW-9	
Oct-14	NI		<0.11	U	**0.43**	J	9.4	J	46	J	17		<2.2	U	**0.39**	J	53	J	NI		NI	
Jan-15	NI		<0.36	U	<0.36	U	<0.36	U	21	J	**0.67**	J	<18	U	<0.36	U	22	J	NI		NI	
Apr-15	NI		<0.36	U	<0.36	U	NS		NS		<0.36	U	NS		NS		NS		NI		NI	
Oct-15	NI		<0.36	U	<0.36	U	ABD		ABD		<0.36	U	ABD		ABD		ABD		NI		NI	
Apr-16	NI		<0.36	U	<0.36	U	ABD		ABD		<0.36	U	ABD		ABD		ABD		<0.36	U	**3.4**	
Oct-16	NI		**0.89**	J	<0.36	U	ABD		ABD		<0.36	U	ABD		ABD		ABD		<0.36	U	**3.5**	J
Apr-17	NI		**1.3**	J	<0.4	U	ABD		ABD		<0.4	U	ABD		ABD		ABD		13		**3.8**	J
Jul-17	<0.4	U	NS		NS		ABD		ABD		NS		ABD		ABD		ABD		NS		NS	
Oct-17	<0.4	U	<0.4	U	<0.4	U	ABD		ABD		<0.4	U	ABD		ABD		ABD		<0.4	U	**3.1**	J
May-18	<0.4	BRL	**2.2**	J	<0.4	BRL	ABD		ABD		NS		ABD		ABD		ABD		**5.5**		**4.3**	J

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
NA - Well not accessible
NS - Well not sampled
NI - Well not installed
NU - Well not utilized in groundwater sampling program
NL - Well not located
ABD - Well has been abandoned

U/ BRL - Not detected at MDL
< - less than method detection limit (MDL)
J - Estimated value detected below Reporting 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	Oct-17	May-18					
Shallow Wells																
G-17 (1)	8.94	6.40	3.94	6.39	6.26	4.79	3.84	3.64	4.25	3.75	4.19	3.64	6.40	2.76	4.75	1.33
G-19 (1)	9.85	5.94	3.40	5.67	5.48	4.80	3.85	3.85	4.05	3.66	3.58	3.40	5.94	2.54	4.43	0.92
G-22 (1)	9.36	4.05	2.59	4.33	4.28	3.51	2.51	2.40	ABD	ABD	ABD	2.40	4.33	1.93	3.38	0.75
G-22R (2)	17.17	NI	NI	NI	NI	NI	NI	NI	NI	3.07	2.59	2.59	3.07	0.48	2.83	0.12
MW-2S (2)	11.54	8.93	7.17	9.20	10.49	8.73	7.54	6.59	6.85	6.71	6.44	6.44	10.49	4.05	7.87	1.91
MW-4S (2)	10.86	5.29	4.58	5.67	6.03	5.21	4.62	5.03	5.17	4.69	5.20	4.58	6.03	1.45	5.15	0.21
MW-15S (1)	8.27	5.47	3.72	5.59	5.51	4.53	3.76	3.56	4.35	3.75	4.47	3.56	5.59	2.03	4.47	0.64
MW-29 (1)	9.39	7.31	5.35	6.93	7.43	6.22	6.50	4.98	5.22	5.54	6.65	4.98	7.43	2.45	6.21	0.80
MW-31 (1)	11.96	6.76	5.81	5.88	7.05	6.47	5.16	5.31	6.00	6.01	6.22	5.16	7.05	1.89	6.07	0.35
MW-32 (1)	12.02	7.00	6.04	7.24	7.51	6.82	6.52	5.56	6.17	6.21	6.22	5.56	7.51	1.95	6.53	0.36
MW-33 (1)	8.48	5.61	3.70	5.63	NM	4.36	3.81	3.75	4.42	3.76	4.61	3.70	5.63	1.93	4.41	0.59
MW-37S (2)	10.14	NI	NI	NI	5.59	5.21	4.89	4.81	5.08	4.88	5.06	4.81	5.59	0.78	5.07	0.07
MW-40S (2)	5.57	NI	NI	NI	5.39	4.48	3.97	4.14	4.52	4.05	4.84	3.97	5.39	1.42	4.48	0.25
MW-42S (2)	10.71	NI	NI	NI	7.22	6.47	6.31	5.60	6.44	6.51	6.50	5.60	7.22	1.62	6.43	0.22
MW-45S (2)	13.74	NI	NI	NI	7.93	7.27	6.99	6.41	7.03	6.69	6.95	6.41	7.93	1.52	7.04	0.23
MW-46S (2)	14.01	NI	NI	NI	7.90	7.67	7.32	6.47	7.03	7.13	6.83	6.47	7.90	1.43	7.19	0.24
MW-48S (2)	13.56	NI	NI	NI	8.32	7.46	7.11	5.90	6.74	6.81	6.69	5.90	8.32	2.42	7.00	0.56
MW-50S (2)	11.18	NI	NI	NI	6.72	5.75	5.40	4.96	5.63	5.42	5.63	4.96	6.72	1.76	5.65	0.29
MW-57S (2)	9.68	NI	NI	NI	NI	NI	NI	NI	NI	6.27	6.34	6.27	6.34	0.07	6.31	0.00
MW-U2 (2)	10.91	NL	NL	6.93	8.73	7.92	6.51	NM	ABD	ABD	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	6.05	6.01	6.01	7.99	1.98	6.70	0.54
Event Min.*[2] (ft.)		4.05	2.59	4.33	4.28	3.51	2.51	2.40	4.05	3.07	2.59	**Global Min.*[2]** (ft.)			2.40	
Event Max.*[2] (ft.)		8.93	7.17	9.20	10.49	8.73	7.54	6.59	7.03	7.13	6.95	**Global Max.*[2]** (ft.)			10.49	
Event Range*[2] (ft.)		4.88	4.58	4.87	6.21	5.22	5.03	4.19	2.98	4.06	4.36	**Global Range*[2]** (ft.)			8.09	
Event Avg.*[2] (ft.)		6.37	4.79	6.41	6.99	6.05	5.42	4.94	5.59	5.31	5.53	**Global Avg.*[2]** (ft.)			5.74	
Event Var.*[2] (ft.)		1.70	2.10	1.55	2.24	2.12	2.26	1.39	1.08	1.72	1.50	**Global Var.*[2]** (ft.)			2.09	

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 and May 2017.

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

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

***[3]= Global Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for all monitoring wells throughout all events from July 2014 to APR 2016

ABD - Abandoned
NI - Not Installed
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	Oct-17	May-18					
Deep Wells																
MW-2D (2)	11.39	6.76	6.16	7.34	7.41	6.97	6.48	6.11	6.80	6.42	6.24	6.11	7.41	1.30	6.67	0.22
MW-11D (2)	16.07	7.87	7.04	8.15	9.08	7.92	7.43	6.50	7.02	7.17	6.97	6.50	9.08	2.58	7.52	0.56
MW-14D (2)	12.06	6.87	5.38	6.09	6.44	5.86	5.63	5.32	5.53	5.60	5.72	5.32	6.87	1.55	5.84	0.24
MW-26 (1)	8.42	5.30	5.00	5.86	NM	5.50	5.01	5.02	5.18	5.13	4.82	4.82	5.86	1.04	5.20	0.10
MW-35 (0.75)	6.28	NL	NM	NM	6.08	5.57	5.18	4.96	5.22	5.31	5.77	4.96	6.08	1.12	5.44	0.15
MW-36 (0.75)	9.86	5.49	4.94	6.05	6.16	5.78	5.09	NM	ABD	ABD	ABD	4.94	6.16	1.22	5.59	0.25
MW-36R (2)	7.80	NI	NI	NI	NI	NI	NI	NI	NI	4.93	5.25	4.93	5.25	0.32	5.09	0.05
MW-38D (2)	10.08	NI	NI	NI	5.54	4.94	4.68	4.70	4.70	4.68	4.67	4.67	5.54	0.87	4.84	0.10
MW-39D (2)	7.25	NI	NI	NI	5.07	4.42	4.02	4.00	4.20	4.00	4.09	4.00	5.07	1.07	4.26	0.15
MW-41D (2)	9.59	NI	NI	NI	6.67	5.97	5.44	5.46	5.87	5.73	5.64	5.44	6.67	1.23	5.83	0.18
MW-43D (2)	10.77	NI	NI	NI	7.16	6.58	6.11	5.78	6.31	6.15	6.17	5.78	7.16	1.38	6.32	0.19
MW-44D (2)	13.83	NI	NI	NI	7.45	6.94	6.68	6.20	6.60	6.48	6.53	6.20	7.45	1.25	6.70	0.16
MW-47D (2)	13.63	NI	NI	NI	7.66	7.20	6.86	6.05	6.70	6.69	6.55	6.05	7.66	1.61	6.82	0.26
MW-49D (2)	11.09	NI	NI	NI	6.44	5.74	5.25	5.28	5.56	5.40	5.49	5.25	6.44	1.19	5.59	0.17
MW-51D (2)	9.87	NI	NI	NI	6.10	5.26	4.77	4.67	5.19	4.82	5.08	4.67	6.10	1.43	5.13	0.23
MW-52D (2)	8.29	NI	NI	NI	5.60	5.16	4.69	4.55	4.91	4.65	4.95	4.55	5.60	1.05	4.93	0.13
MW-53D (2)	7.62	NI	NI	NI	6.30	5.56	4.92	4.91	5.47	5.04	5.12	4.91	6.30	1.39	5.33	0.25
MW-54D (2)	10.91	NI	NI	NI	7.09	6.30	5.93	5.45	6.04	5.81	5.94	5.45	7.09	1.64	6.08	0.26
MW-55D (2)	11.78	NI	NI	NI	6.76	6.18	5.73	5.20	5.84	5.68	5.84	5.20	6.76	1.56	5.89	0.23
MW-56D (2)	10.68	NI	NI	NI	7.37	6.55	6.13	5.60	6.26	6.13	6.16	5.60	7.37	1.77	6.31	0.30
MW-58D (2)	9.82	NI	NI	NI	NI	NI	NI	NI	NI	6.40	6.39	6.39	6.40	0.01	6.40	0.00
PAW-4 (2)	11.99	6.67	5.99	6.96	7.49	6.77	6.21	5.66	6.32	6.13	6.13	5.66	7.49	1.83	6.43	0.29
RW-1 (4)	11.69	7.18	6.34	7.63	8.58	7.26	6.81	6.04	6.71	6.44	6.33	6.04	8.58	2.54	6.93	0.58
RW-2 (4)	9.24	6.62	5.76	7.03	NM	NM	NM	NM	NM	NM	NM	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	NM	NM	NM	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	6.40	6.37	5.91	8.10	2.19	6.75	0.41
RW-5 (6)	11.71	6.76	5.94	7.06	NM	NM	NM	NM	NM	NM	NM	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	NM	NM	NM	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	NM	NM	NM	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	4.78	5.23	4.65	5.23	0.58	4.92	0.06
RW-9 (4)	11.79	NI	NI	NI	NI	NI	6.10	5.62	6.30	6.20	6.23	5.62	6.30	0.68	6.09	0.07
Event Min.*[2] (ft.)		5.13	4.67	5.64	5.07	4.42	4.02	4.00	4.20	4.00	4.09	**Global Min.*[2]** (ft.)			4.00	
Event Max.*[2] (ft.)		7.87	7.04	8.15	9.08	7.92	7.43	6.50	7.02	7.17	6.97	**Global Max.*[2]** (ft.)			9.08	
Event Range*[2] (ft.)		2.74	2.37	2.51	4.01	3.50	3.41	2.50	2.82	3.17	2.88	**Global Range*[2]** (ft.)			5.08	
Event Avg.*[2] (ft.)		6.36	5.61	6.67	6.88	6.16	5.69	5.38	5.85	5.69	5.75	**Global Avg.*[2]** (ft.)			6.00	
Event Var.*[2] (ft.)		0.73	0.55	0.68	1.02	0.78	0.75	0.39	0.59	0.62	0.49	**Global Var.*[2]** (ft.)			0.83	

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 and May 2017.

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

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

***[3]= Global Min., Max., Range, Avg., and Var.** - are the minimum, maximum, range, average, and total variance for all monitoring wells throughout all events from July 2014 to APR 2016

ABD - Abandoned
NL - Not Located
NI - Not Installed
NM - Not Measured

Table 3-7: Arsenic Groundwater Analytical Results Summary

Shallow Wells (mg/L)						
Date	**MW-37S**		**MW-40S**		**MW-57S**	
May-18	**0.0077**	J	**0.0102**	J	0.0072	BRL

Deep Wells (mg/L)						
Date	**MW-38D**		**MW-39D**		**MW-52D**	
May-18	**0.0131**	J	0.0072	BRL	0.0072	BRL

Notes:

0.0077 - Value exceeds method detection limit

BRL - Not detected at MDL

J - Estimated value detected below Reporting Limit

Table 5-1: Well Network Modifications

Original Well I.D.	New Well I.D.	Justification for Abandonment/Replacement
Abandoned Wells		
G-17	N/A	siltation in well, 1-inch diameter well casing, screen interval shallower than typical shallow wells, unknown well construction details with regards to filter pack
MW-2S	N/A	screen interval shallower than typical shallow wells, unknown well construction details with regards to depth and filter pack
MW-31	N/A	1-inch diameter well casing, unknown well construction details with regards to filter pack, stabilization issues during sampling, redundant following additional well installation
MW-32	N/A	1-inch diameter well casing, unknown well construction details with regards to filter pack, redundant following additional well installation
MW-35	N/A	0.75-inch diameter well casing, screen interval deeper than typical deep wells, unknown well construction details with regards to filter pack, stabilization issues during sampling
RW-1	N/A	siltation in well, 4-inch diameter well casing, unknown well construction details with regards to filter pack, redundant due to nearby monitoring wells
RW-4	N/A	siltation in well, damage to well causing obstructions, 6-inch diameter well casing, unknown well construction details with regards to filter pack, redundant due to nearby monitoring wells
Replaced Wells		
MW-4S	MW-4SR	siltation in well, unknown well construction details with regards to filter pack, surficial damage to well
MW-11D	MW-11DR	siltation in well, screen interval shallower than typical deep wells, unknown well construction details with regards to filter pack
MW-15S	MW-15SR	1-inch diameter well casing, unknown well construction details with regards to filter pack, stabilization issues during sampling
MW-26*	MW-26R	1-inch diameter well casing, screen interval deeper than typical deep wells, unknown well construction details with regards to filter pack, stabilization issues during sampling
MW-29	MW-29R	1-inch diameter well casing, unknown well construction details with regards to filter pack, surficial damage to well

Notes:
* = Well was relocated upon replacement. All other replacement wells were installed at the same location following over drilling.

Table 6-1: McKenzie Tank Lines, Port Wentworth, GA
Zone 3 Soil Sampling Analytical Results

Sample ID	Sample Depth (ft., bgs)	Sample Date	Tetrachloroethene (PCE)		Trichloroethene (TCE)		Cis-1, 2-Dichloroethene (DCE)		Vinyl Chloride (VC)		Benzene		Toluene		Ethylbenzene		Total Xylenes		1,1-Dichloroethene	
			RRS 500 (µg/kg)		RRS 500 (µg/kg)		RRS 7,000 (µg/kg)		RRS 200 (µg/kg)		RRS 500 (µg/kg)		RRS 100,000 (µg/kg)		RRS 70,000 (µg/kg)		RRS 1,000,000 (µg/kg)		RRS NE	
			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)		Delineation Criteria 14,000 (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	Result (µg/kg)	Flag
A-1	1.5	9/19/2018	1.2	U	1.1	U	1.4	U	1.6	U	0.46	U	0.41	U	0.39	U	0.73	U	0.72	U
A-2	1.5	9/19/2018	1.1	U	1.0	U	1.3	U	1.6	U	0.44	U	0.39	U	0.37	U	0.69	U	0.72	U
A-3	1.5	9/20/2018	1.1	U	1.0	U	1.4	U	1.6	U	0.44	U	0.40	U	0.37	U	0.70	U	0.73	U
A-4	1.5	9/20/2018	1.2	U	1.1	U	1.5	U	1.7	U	0.48	U	0.43	U	0.41	U	0.76	U	0.80	U
A-5	1.5	9/20/2018	1.1	U	1.0	U	1.4	U	1.6	U	0.45	U	0.40	U	0.38	U	0.71	U	0.74	U
B-1	1.5	9/19/2018	1.3	U	1.2	U	1.6	U	1.8	U	0.51	U	0.46	U	0.43	U	0.82	U	0.85	U
B-2	1.5	9/19/2018	1.1	U	0.97	U	1.3	U	1.5	U	0.42	U	**1.2**	J	0.35	U	0.67	U	0.69	U
B-3	1.5	9/20/2018	1.1	U	1.0	U	1.4	U	1.6	U	0.45	U	0.40	U	0.38	U	0.71	U	0.74	U
B-4	1.5	9/20/2018	1.1	U	1.0	U	**4.9**		**2.6**	J	0.45	U	0.40	U	0.38	U	0.71	U	0.74	U
B-5	1.5	9/20/2018	1.1	U	1.0	U	**11**		1.6	U	0.44	U	0.39	U	0.37	U	0.70	U	0.73	U
C-1	1.5	9/19/2018	1.1	U	1.0	U	1.4	U	1.6	U	0.45	U	0.40	U	0.39	U	0.72	U	0.75	U
C-2	1.5	9/19/2018	1.4	U	1.3	U	1.7	U	1.9	U	0.54	U	**44**		0.46	U	0.86	U	0.90	U
C-3	1.5	9/20/2018	1.1	U	0.97	U	**9.4**		**1.9**	J	0.42	U	0.39	U	0.35	U	0.66	U	0.69	U
C-4	1.5	9/20/2018	1.1	U	1.0	U	**7.9**		**2.0**	J	0.45	U	0.40	U	0.38	U	0.71	U	0.74	U
C-5	1.5	9/20/2018	1.0	U	0.95	U	1.3	U	1.5	U	0.41	U	0.37	U	0.35	U	0.65	U	0.68	U
D-1	1.5	9/19/2018	1.2	U	1.1	U	1.4	U	1.6	U	0.46	U	0.41	U	0.38	U	0.72	U	0.75	U
D-2	1.5	9/19/2018	1.2	U	1.1	U	**8.4**		1.6	U	0.46	U	0.41	U	0.39	U	0.71	U	0.77	U
D-3	1.5	9/20/2018	1.2	U	1.1	U	**140**		1.7	U	0.49	U	0.43	U	0.41	U	0.77	U	0.80	U
D-4	1.5	9/20/2018	1.3	U	1.2	U	1600		**3.1**	J	0.52	U	0.46	U	0.44	U	0.82	U	1.0	J
D-5	1.5	10/3/2018	**7.0**		**3.1**	J	**310**		**12**		0.60	U	5.0	J	0.51	U	0.96	U	1.0	U
E-1	1.5	9/19/2018	1.1	U	1.0	U	**2.2**	J	1.5	U	0.43	U	0.39	U	0.37	U	0.69	U	0.72	U
E-2	1.5	9/19/2018	1.4	U	1.2	U	1.6	U	1.9	U	0.54	U	0.48	U	0.45	U	0.85	U	0.89	U
E-3	1.5	9/20/2018	2.7	J	**1.6**	J	**68**		1.9	U	0.53	U	0.47	U	0.44	U	0.84	U	0.87	U
E-4	1.5	9/20/2018	1.3	U	1.2	U	**6.3**		1.8	U	0.51	U	0.46	U	0.43	U	0.81	U	0.85	U
E-5	1.5	10/3/2018	**4.6**		**1.9**	J	**98**		**9.0**		0.49	U	0.43	U	0.41	U	0.77	U	0.80	U
F-2	1.5	9/20/2018	1.2	U	1.1	U	1.4	U	1.6	U	0.46	U	0.41	U	0.39	U	0.73	U	0.77	U
F-3	1.5	9/20/2018	1.1	J	0.55	U	0.72	U	0.84	U	0.24	U	0.21	U	0.20	U	0.37	U	0.39	U
F-4	1.5	9/20/2018	**14**		**13**		**9.3**		1.6	U	0.44	U	0.39	U	0.37	U	0.69	U	0.72	U
F-5	1.5	9/20/2018	420		130		**170**		1.6	U	0.45	U	0.40	U	0.38	U	0.72	U	0.75	U
G-2	1.5	9/20/2018	**1.7**	J	1.3	U	1.7	U	1.9	U	0.54	U	0.48	U	0.46	U	0.86	U	0.9	U
G-3	1.5	9/20/2018	**1.3**	J	1.1	U	1.5	U	1.7	U	0.48	U	0.43	U	0.41	U	0.77	U	0.8	U
G-4	1.5	9/20/2018	**6.6**		**3.7**	J	1.6	U	1.8	U	0.51	U	0.46	U	0.43	U	0.82	U	0.85	U
G-5	1.5	9/20/2018	1.1	U	1.0	U	1.3	U	1.6	U	0.44	U	0.39	U	0.37	U	0.70	U	0.73	U
G-6	1.5	9/21/2018	1.1	U	1.0	U	1.3	U	1.5	U	0.43	U	0.38	U	0.36	U	0.68	U	0.71	U
H-4	1.5	9/21/2018	1.1	U	1.0	U	1.3	U	1.6	U	0.44	U	0.39	U	0.37	U	0.69	U	0.72	U
H-5	1.5	9/21/2018	**2.6**	J	1.0	U	1.3	U	1.6	U	0.44	U	0.39	U	0.37	U	0.69	U	0.72	U
H-5A*	1.5	9/21/2018	**1.5**	J	0.93	U	1.2	U	1.4	U	0.40	U	0.36	U	0.34	U	0.63	U	0.66	U
H-6	1.5	9/21/2018	0.98	U	0.90	U	1.2	U	1.4	U	0.39	U	0.35	U	0.33	U	0.61	U	0.64	U
I-5	1.5	9/21/2018	1.1	U	0.97	U	1.3	U	1.5	U	0.42	U	0.37	U	0.35	U	0.67	U	0.69	U
I-6	1.5	9/21/2018	1.1	U	1.00	U	1.3	U	1.5	U	0.43	U	0.39	U	0.37	U	0.69	U	0.72	U

Notes:

500 = Concentration is greater than RRS

180 = Concentration is greater than delineation criteria and below RRS

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

bgs = Below Ground Surface

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

U = Concentration is below method detection limits

RRS = Risk Reduction Standard as listed in the EPD approved VIRP

ID = Identifier

NE = Not Established

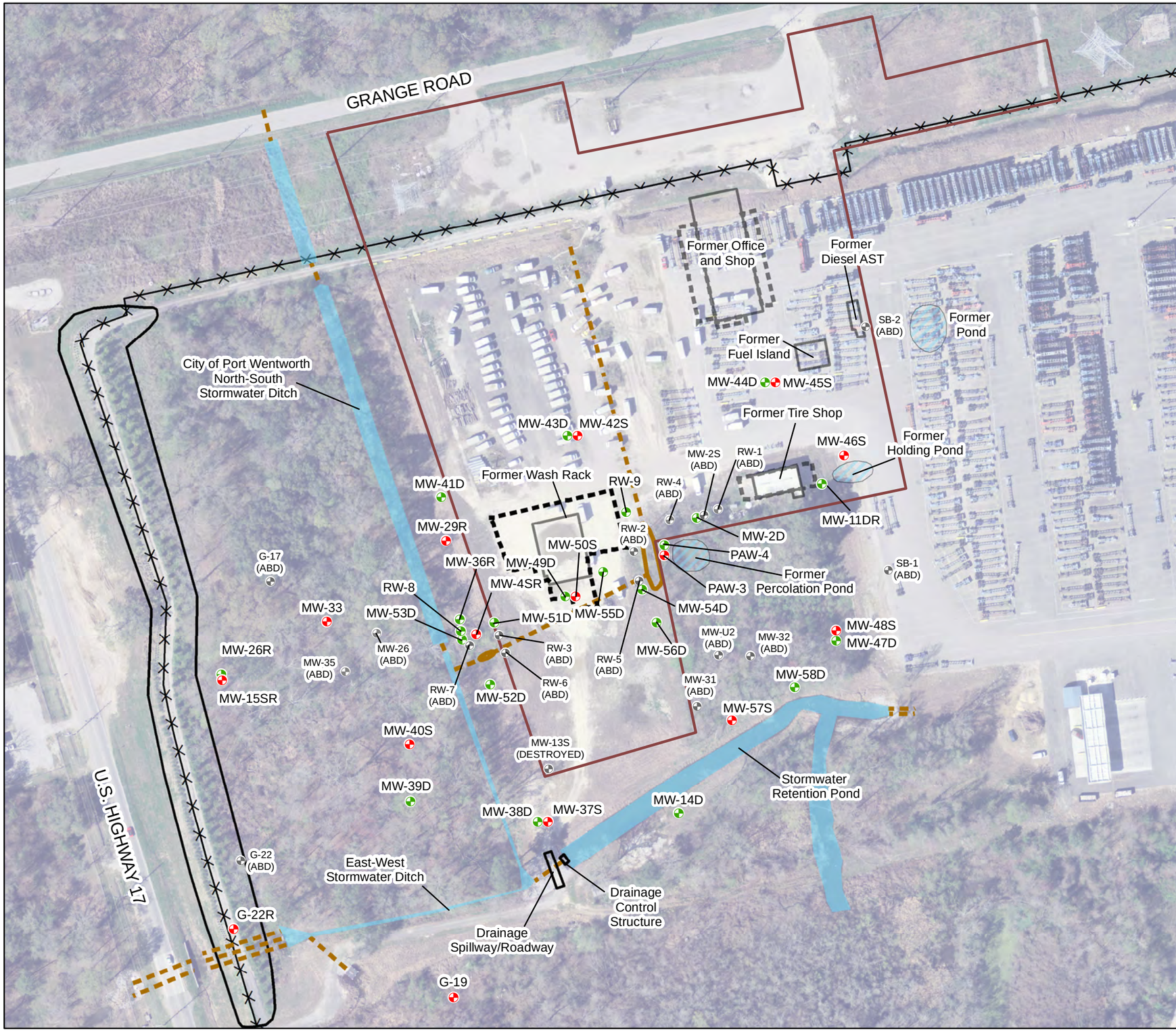
µg/kg = micrograms per kilogram

* - H-5A is a duplicate sample collected at the H-5 sample location

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

NINTH 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. LOCATIONS FOR WELLS MW-4SR, MW-11DR, MW-15SR, MW-26R, AND MW-29R ARE APPROXIMATED AND HAVE NOTED BEEN SURVEYED.

N

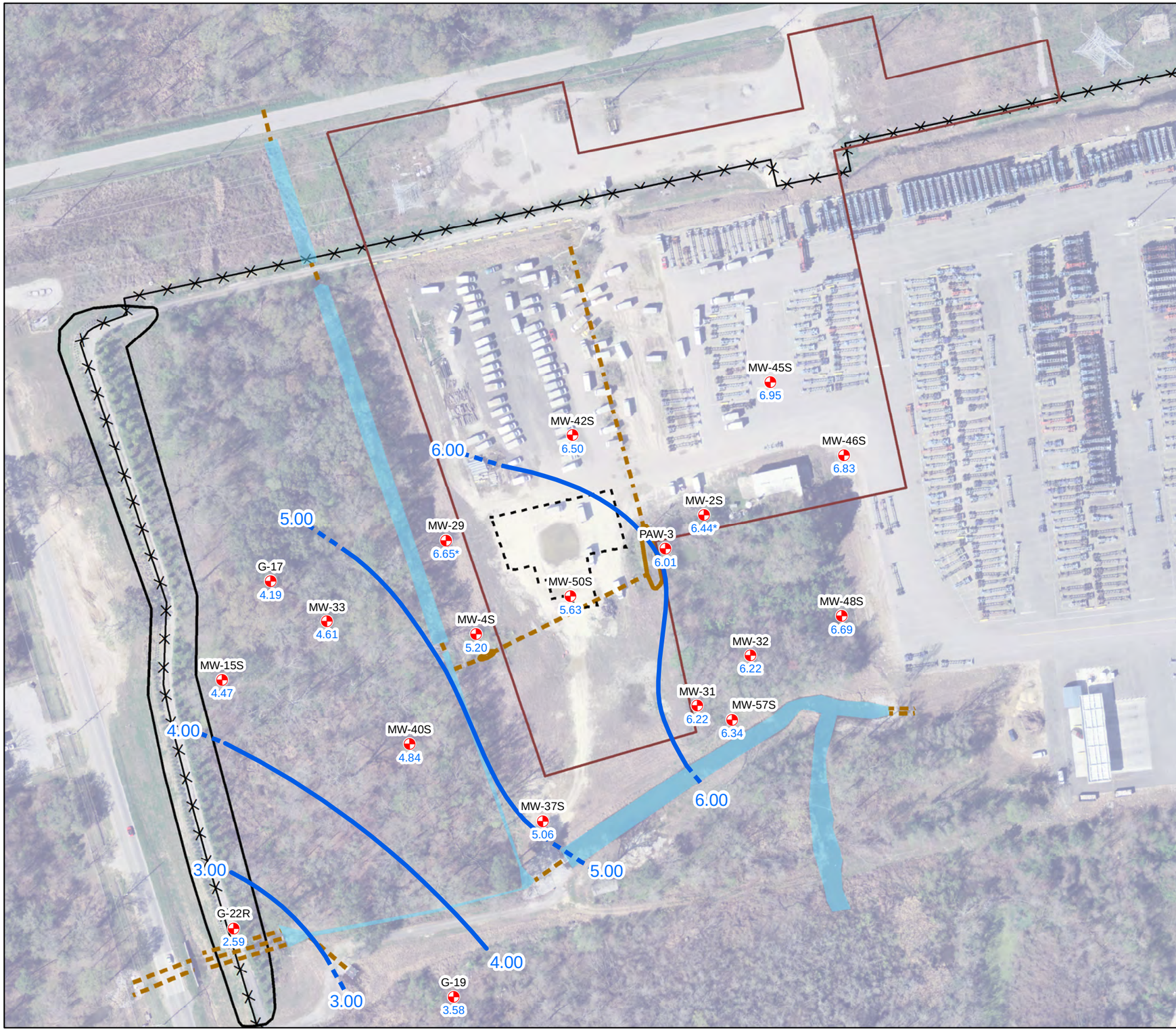
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS NO.	DATE	DATE: 11/19/2018
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

GROUNDWATER CONTOURS

- GROUNDWATER CONTOUR (1-FOOT INTERVAL)
- ESTIMATED GROUNDWATER CONTOURS
- 6.83 GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 6.65* DATA NOT CONSIDERED FOR CONTOURS

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

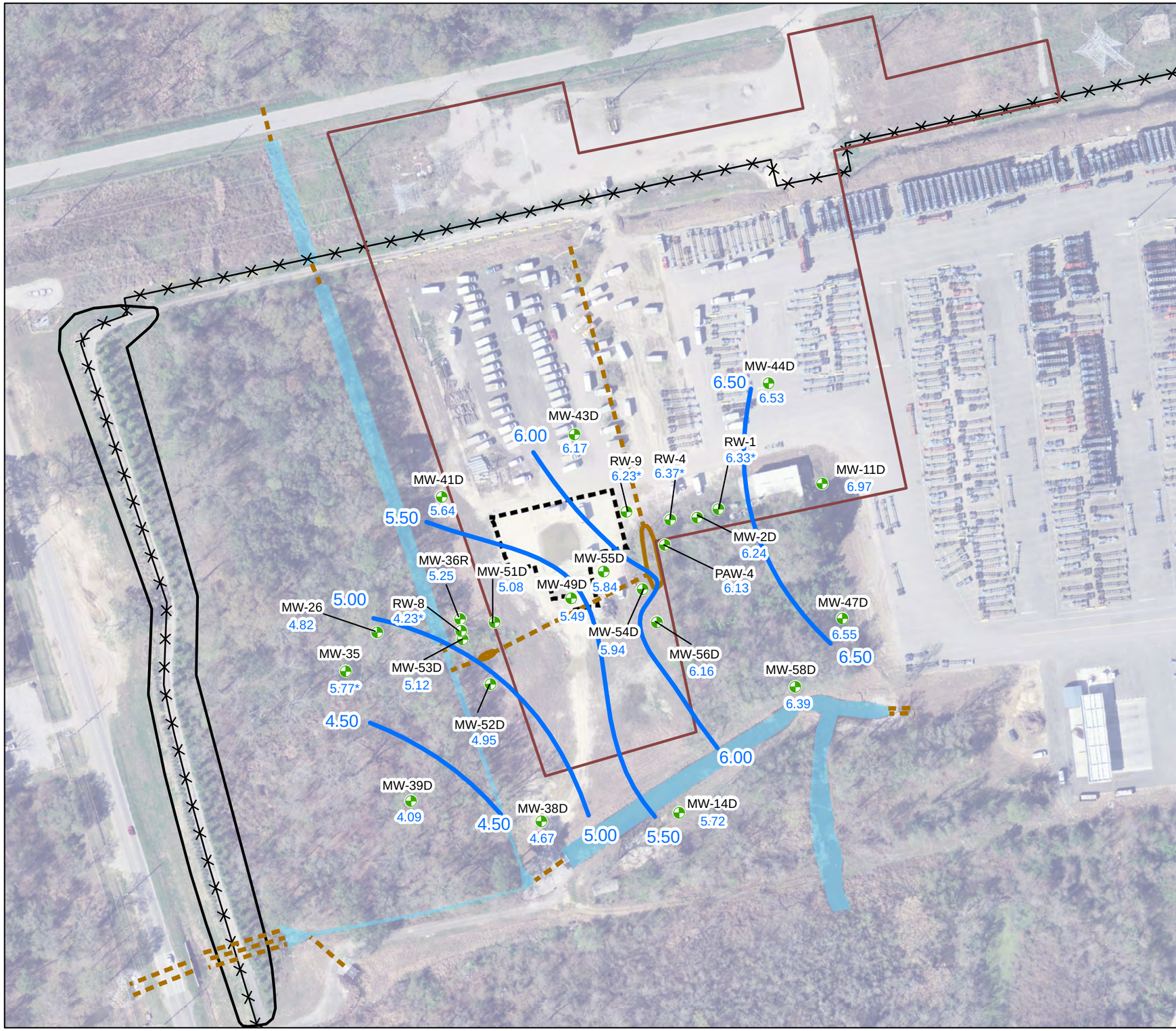
150 75 0 150 Feet

DESIGNED BY: S.F.H.	REVISIONS		DATE: 11/16/2018
	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 3-1: MAY 2018 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

GROUNDWATER CONTOURS

- GROUNDWATER CONTOURS (0.5 FOOT INTERVALS)
- ESTIMATED GROUNDWATER CONTOURS
- 6.55 GROUNDWATER ELEVATIONS (FT., NAVD 88)
- 4.23* DATA NOT CONSIDERED FOR CONTOURS

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

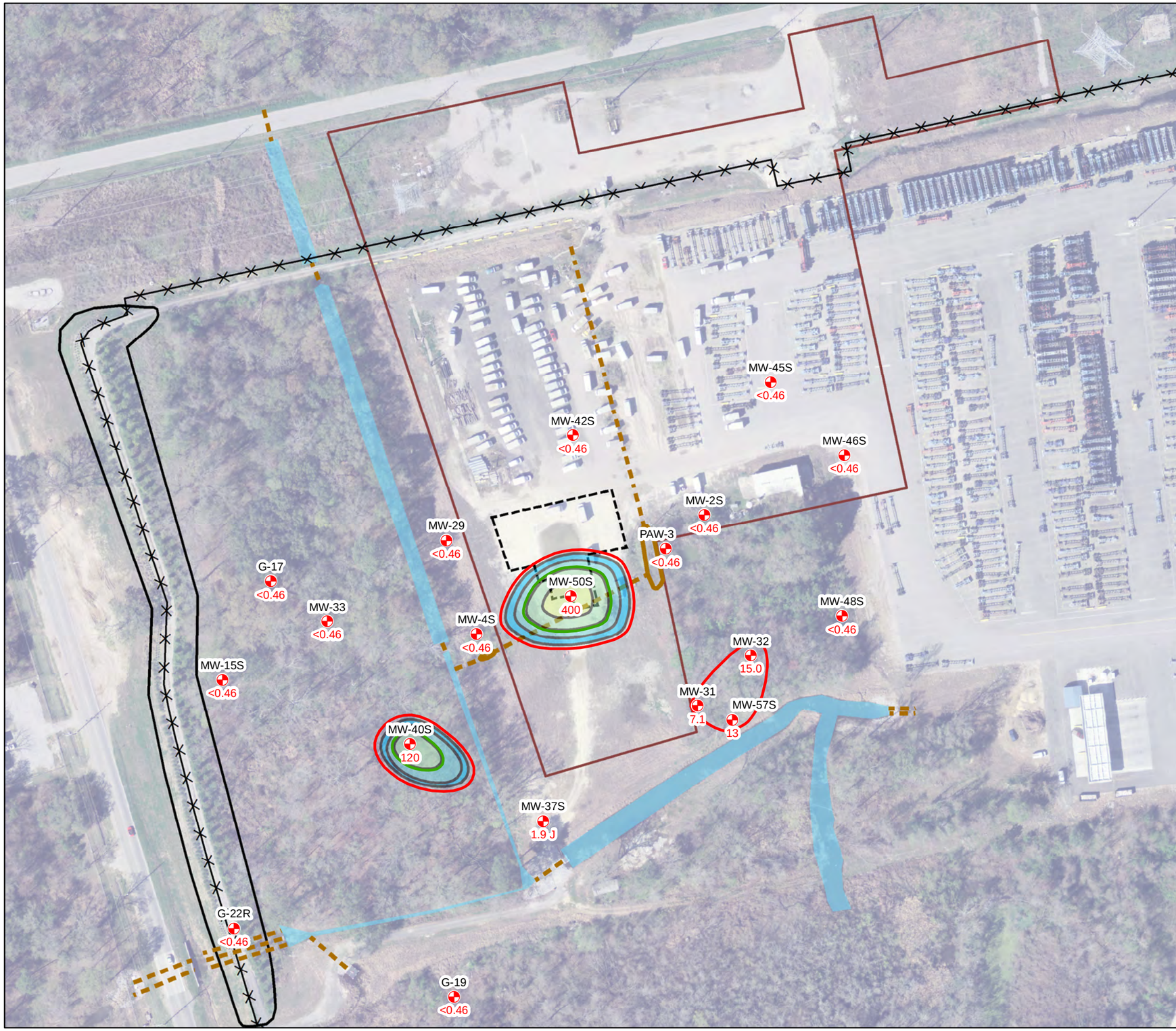
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/16/2018
	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 3-2: MAY 2018 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

PCE CONCENTRATIONS

CONTOURS

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

LABELS

MW-40S WELL ID

<0.46 CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 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

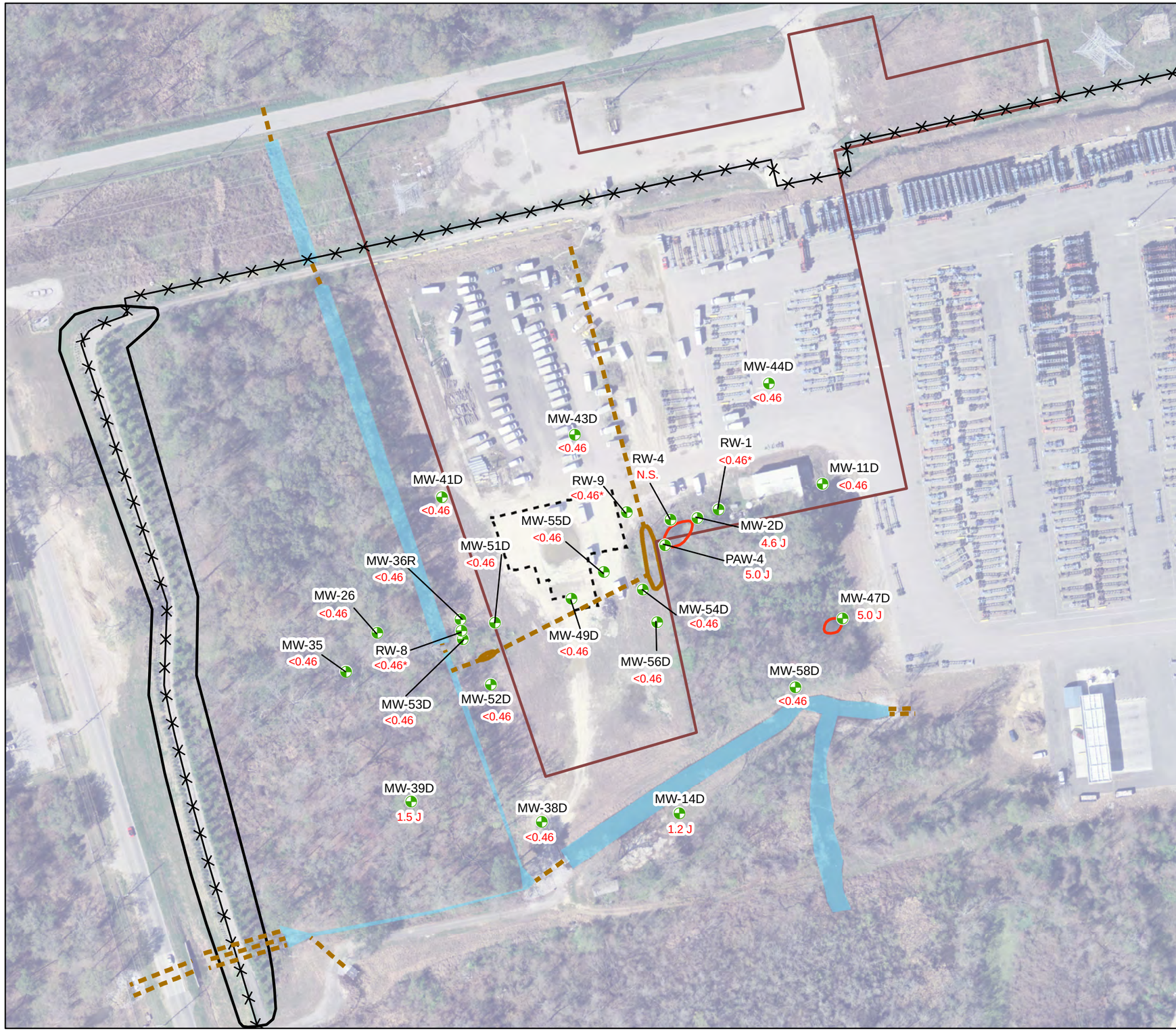
DESIGNED BY: A.G.	REVISIONS		DATE: 11/16/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: S.F.H.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-3: MAY 2018 SHALLOW PCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

EIC

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



Legend

SITE FEATURES

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

PCE CONCENTRATIONS

CONTOURS

- DELINEATION 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

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

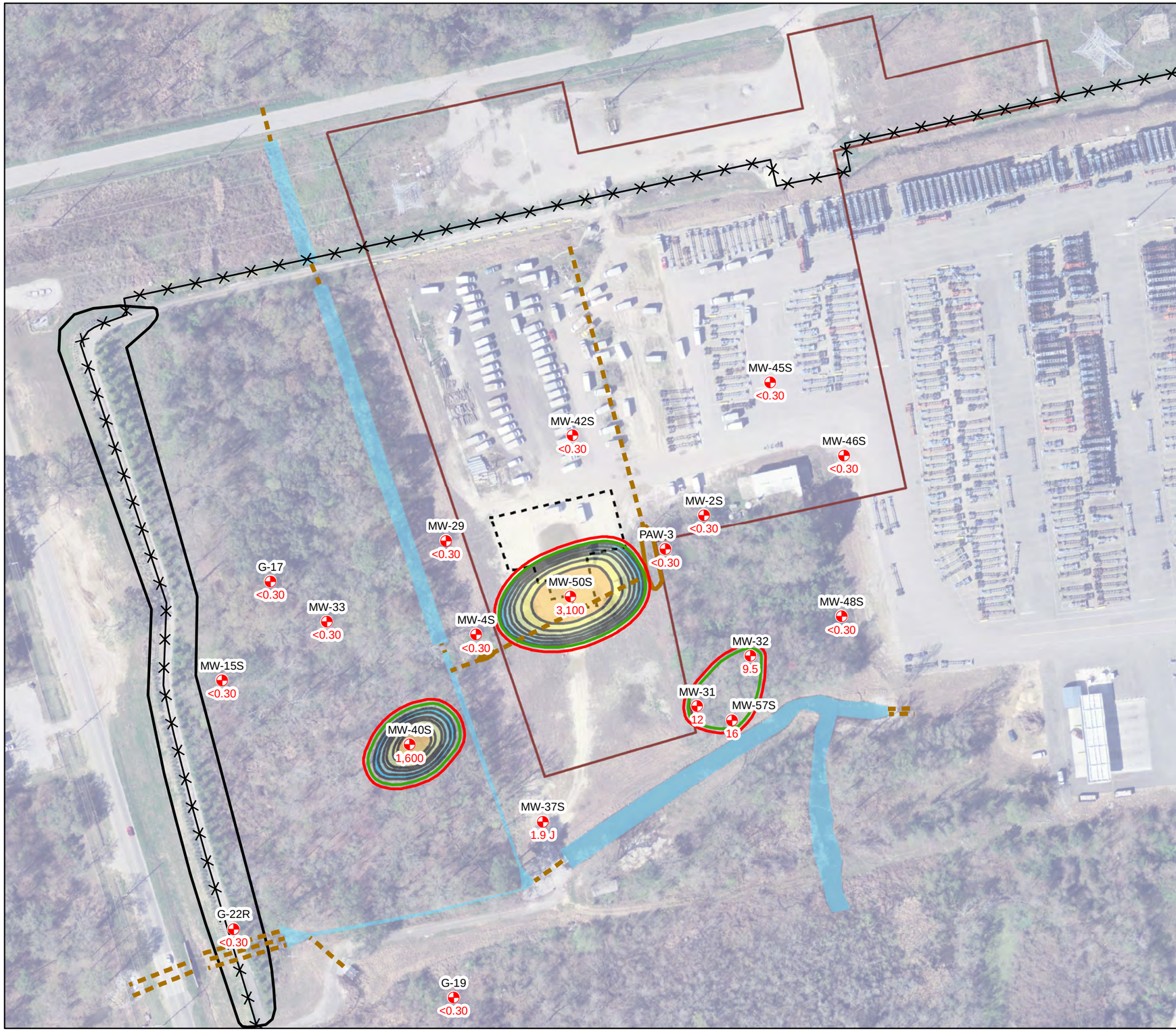
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 11/19/2018
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: MAY 2018 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

TCE CONCENTRATIONS

CONTOURS

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

LABELS

- MW-40S — WELL ID
- <0.30 — CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 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

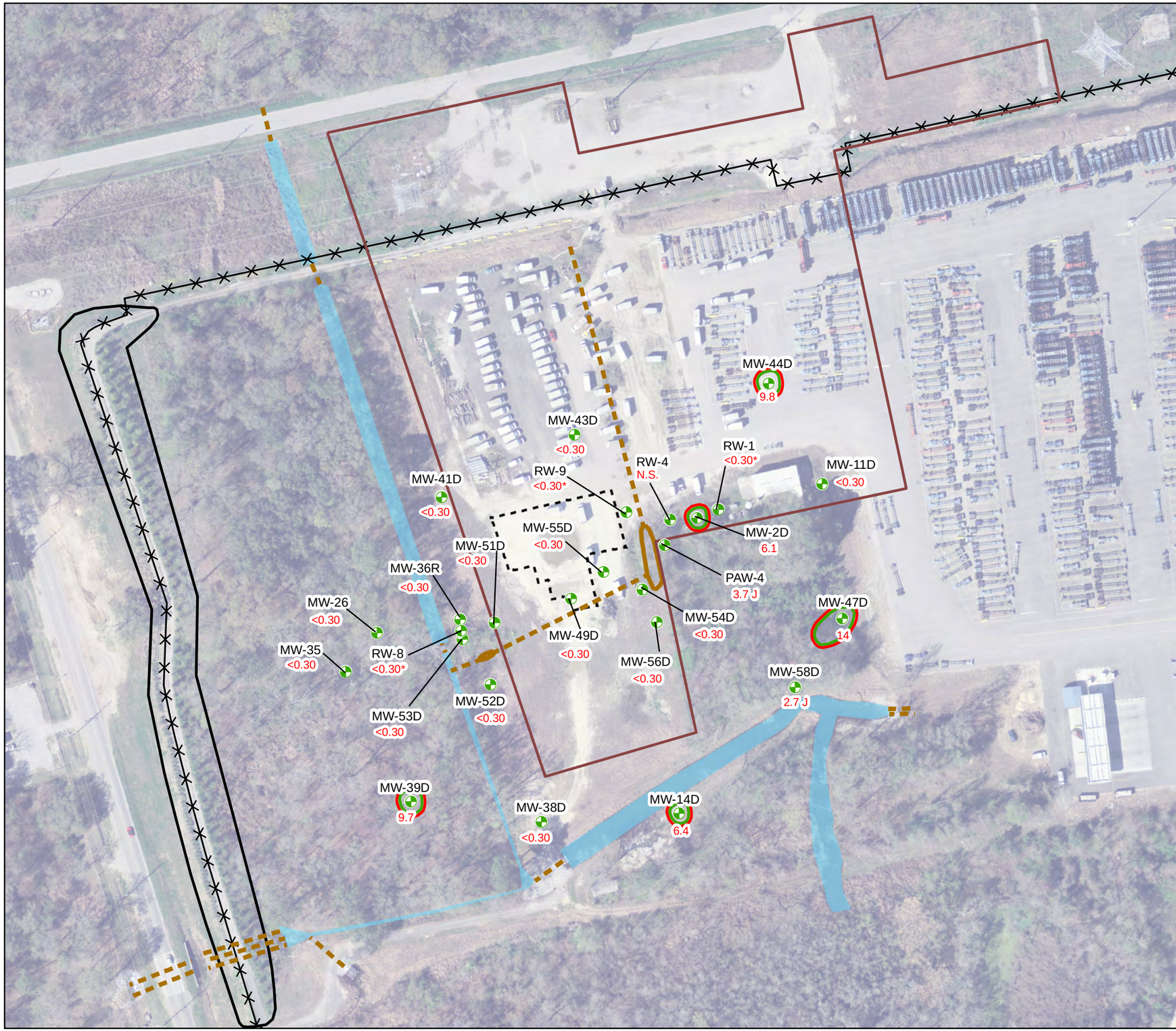
DESIGNED BY: A.G.	REVISIONS		DATE: 11/19/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: S.F.H.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 3-5: MAY 2018 SHALLOW TCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

EIC

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



Legend

SITE FEATURES

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

TCE CONCENTRATIONS

CONTOURS

- DELINEATION 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

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

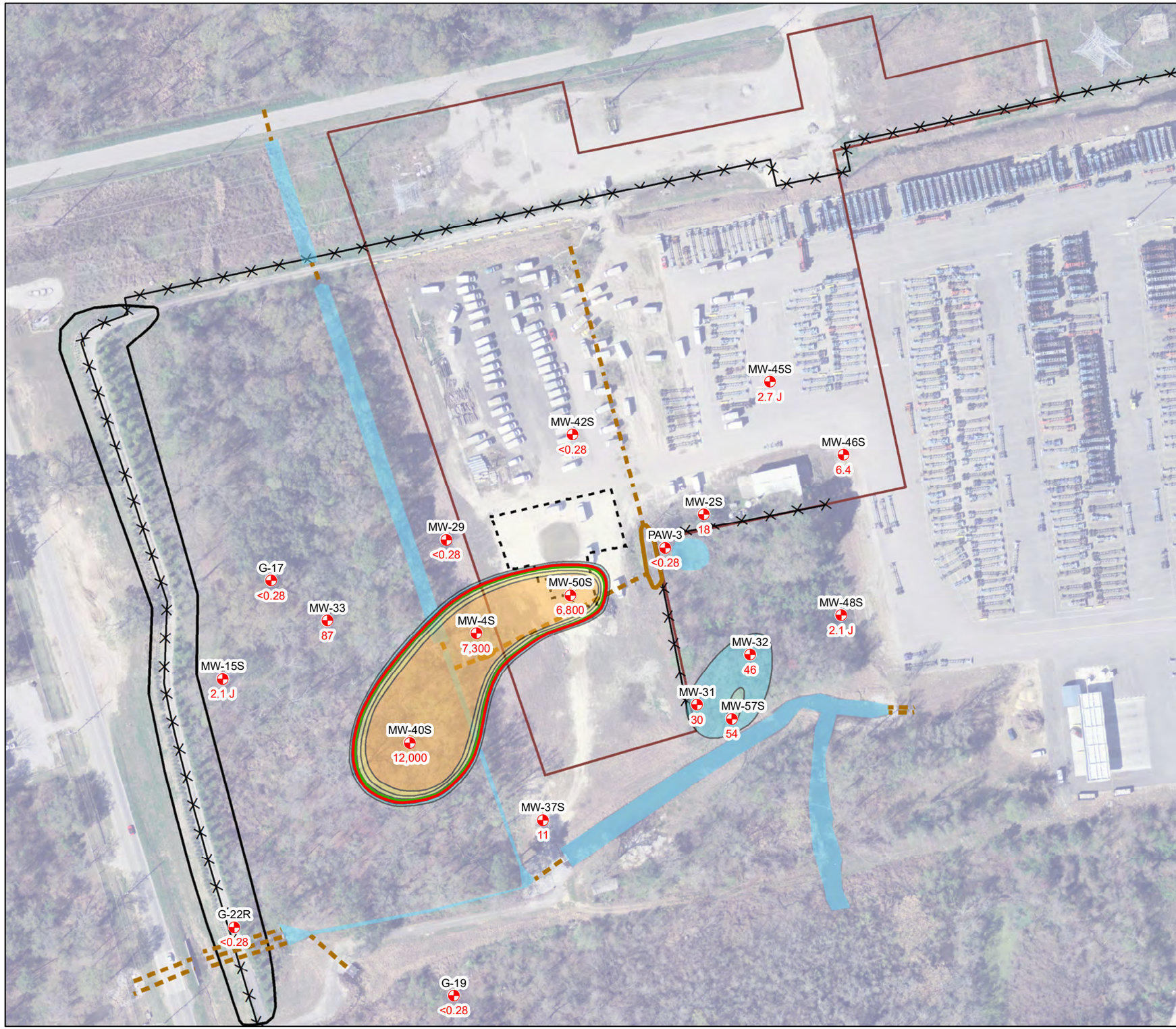
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/19/2018
	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 3-6: MAY 2018 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

DCE CONCENTRATIONS

CONTOURS

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

LABELS

- MW-40S — WELL ID
- <0.28 — CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 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

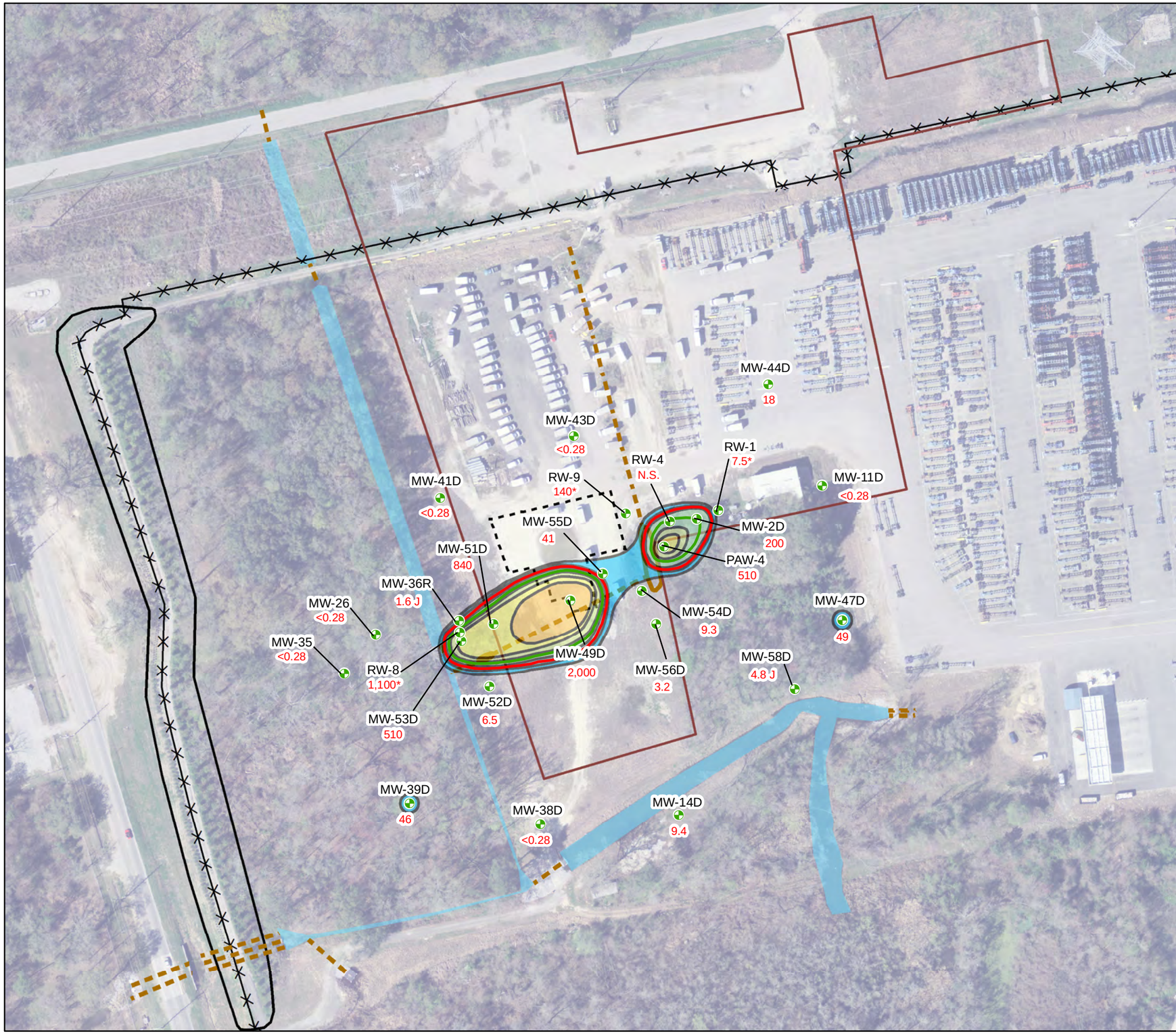
DESIGNED BY: A.G.	REVISIONS NO.	REVISIONS DATE	DATE: 6/25/2018
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 3-7: MAY 2018 SHALLOW DCE ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

EIC

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



Legend

SITE FEATURES

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

DCE CONCENTRATIONS

CONTOURS

- DELINEATION 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

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

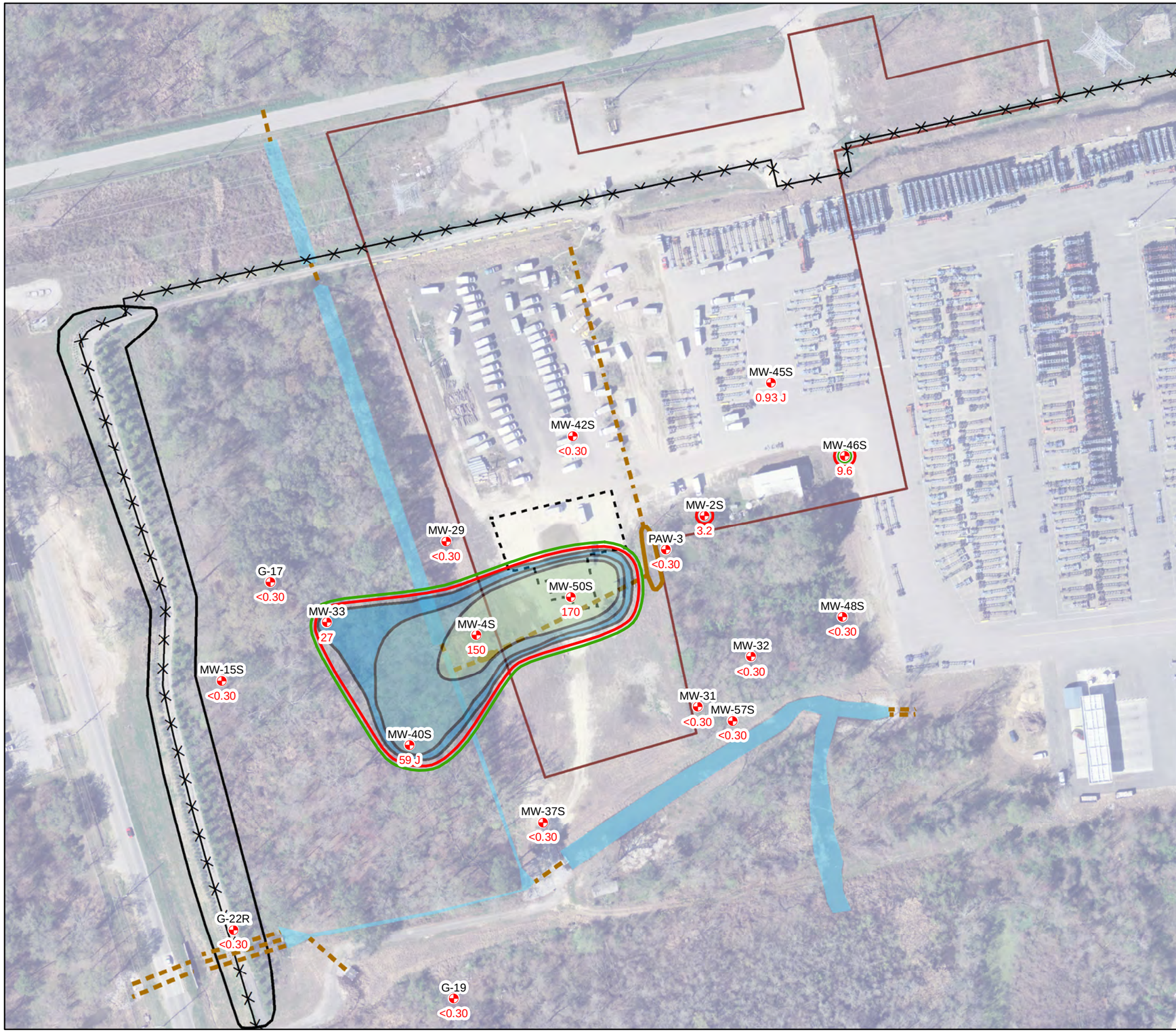
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/19/2018
	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 3-8: OCTOBER 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- SHALLOW WELLS

VC CONCENTRATIONS

CONTOURS

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

LABELS

- MW-40S — WELL ID
- <0.30 — CONCENTRATION IN µg/L

CONCENTRATIONS IN µg/L

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

NOTES: AERIAL PHOTO IS FROM USGS 0.15 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

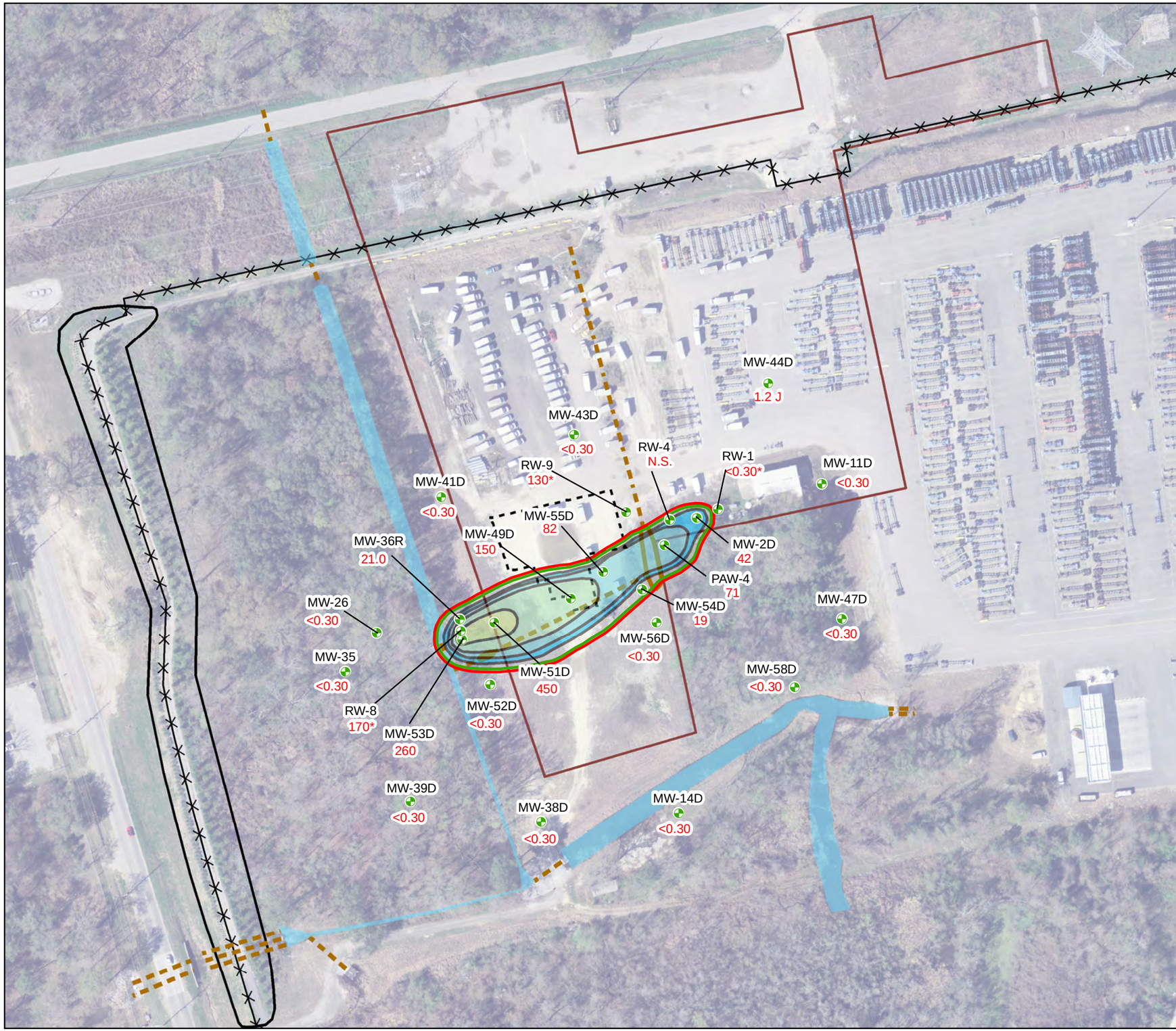
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/19/2018
	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 3-9: MAY 2018 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
- CONCRETE APRONS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- DEEP WELLS

VC CONCENTRATIONS

CONTOURS

- DELINEATION 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
N.S.	NOT SAMPLED

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

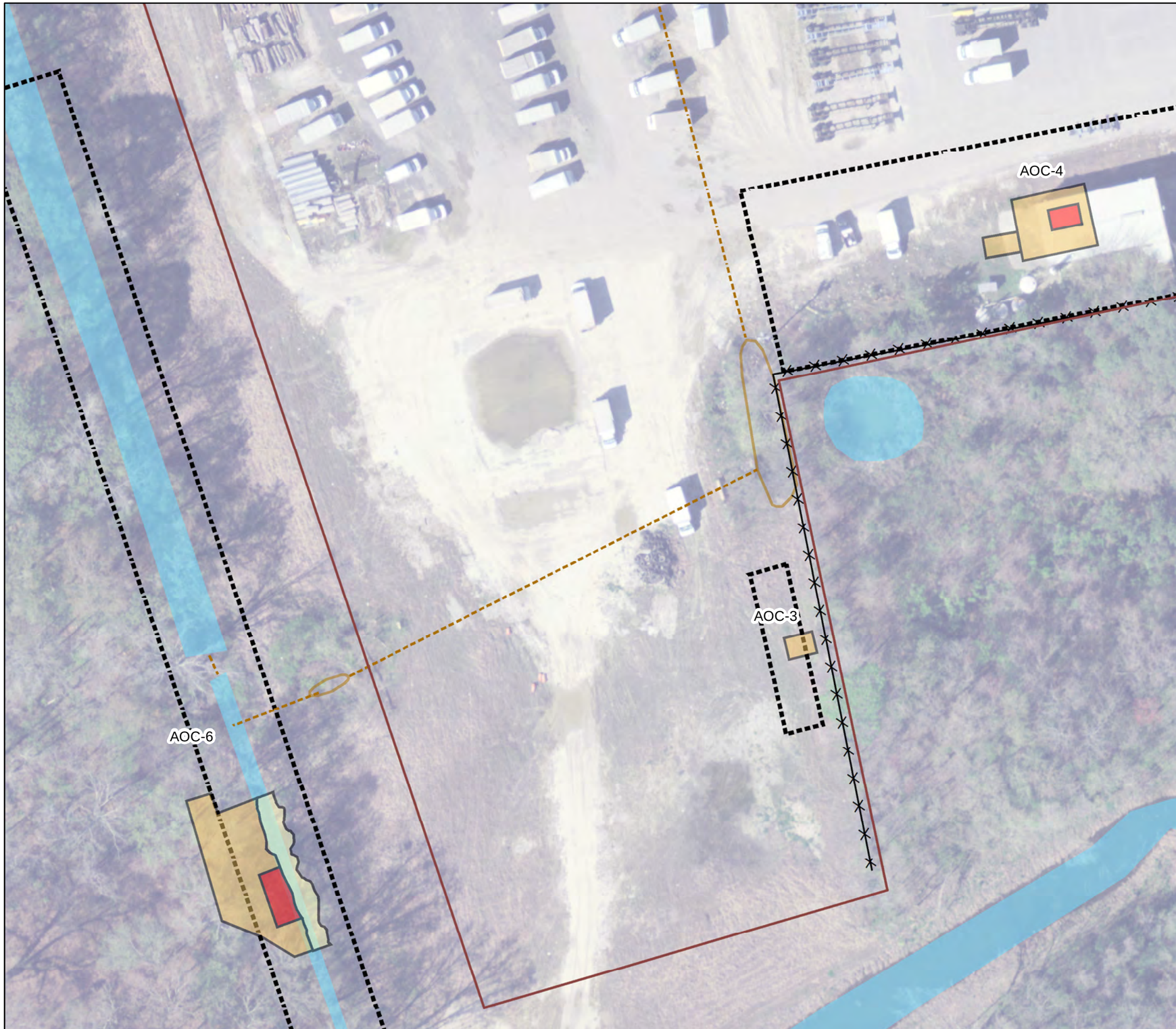
150 75 0 150 Feet

	REVISIONS		
DESIGNED BY: A.G.	NO.	DATE	DATE: 11/19/2018
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 3-10: MAY 2018 DEEP VC ISOCONCENTRATION MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31407

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



LEGEND

SITE FEATURES

- SECURITY FENCE
- FORMER PROPERTY BOUNDARY
- WATER FEATURE
- DRAINAGE SWALE
- STORMWATER DRAINAGE PIPE
- AREAS OF CONCERN

EXCAVATION FEATURES

- NON-HAZARDOUS EXCAVATION AREA
- SEDIMENT EXCAVATION AREA
- HAZARDOUS EXCAVATION AREA

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. FORMER PROPERTY BOUNDARY IS DERIVED FROM HISTORICAL TAX PLAT MAPS AVAILABLE FROM THE CHATHAM COUNTY TAX ASSESSORS OFFICE. SECURITY FENCE AND OTHER SITE FEATURES ARE BASED UPON SURVEY CONDUCTED IN OCTOBER 2013.

N

50 25 0 50 Feet

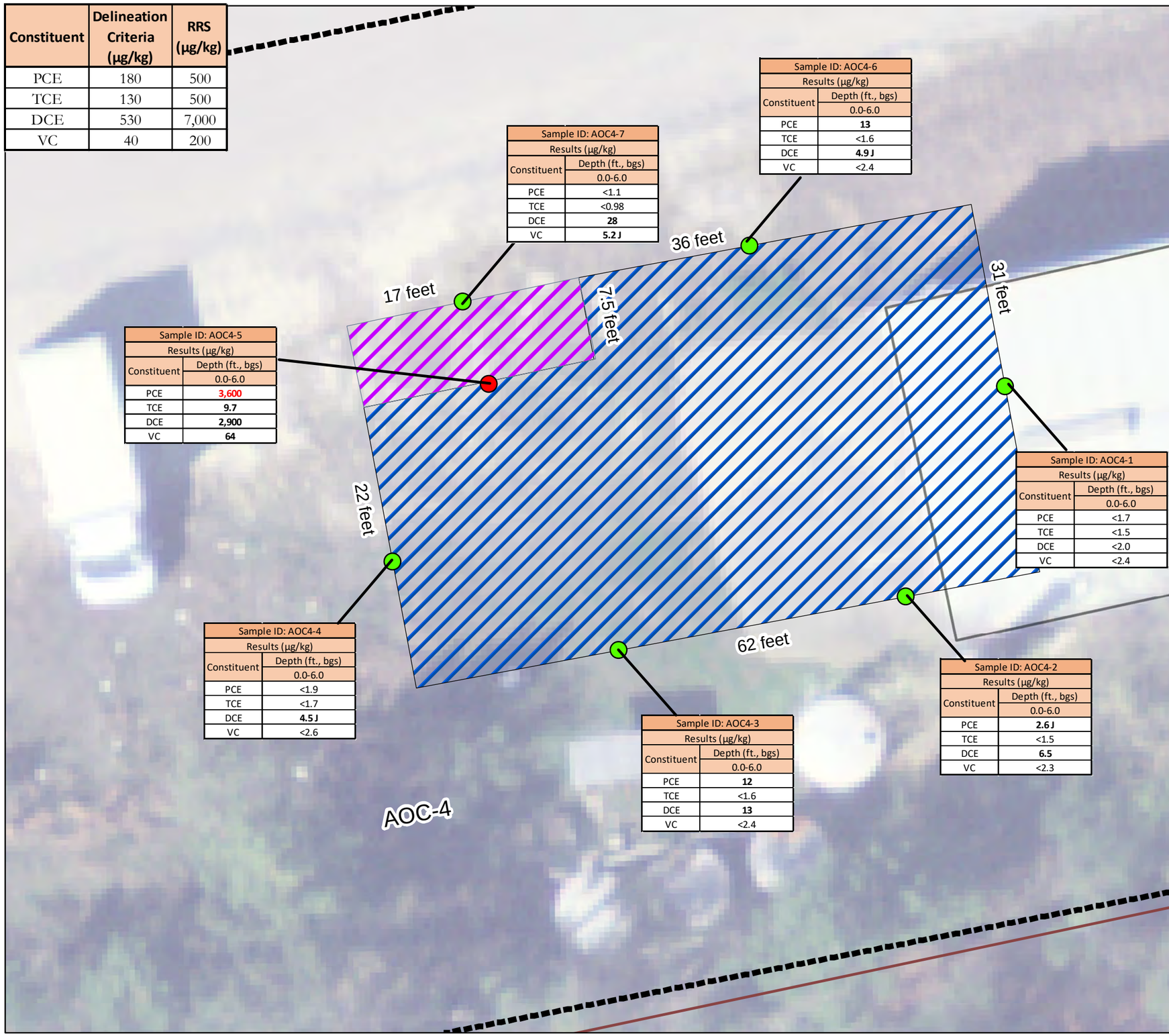
DESIGNED BY: A.G.	REVISIONS		DATE: 5/11/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-1: SITE LAYOUT ILLUSTRATING AREAS TARGETED FOR SOURCE REMOVAL

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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

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



Sample ID: AOC4-6	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**13**
TCE	<1.6
DCE	**4.9 J**
VC	<2.4

Sample ID: AOC4-7	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	<1.1
TCE	<0.98
DCE	**28**
VC	**5.2 J**

Sample ID: AOC4-5	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**3,600**
TCE	**9.7**
DCE	**2,900**
VC	**64**

Sample ID: AOC4-1	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	<1.7
TCE	<1.5
DCE	<2.0
VC	<2.4

Sample ID: AOC4-4	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	<1.9
TCE	<1.7
DCE	**4.5 J**
VC	<2.6

Sample ID: AOC4-3	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**12**
TCE	<1.6
DCE	**13**
VC	<2.4

Sample ID: AOC4-2	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**2.6 J**
TCE	<1.5
DCE	**6.5**
VC	<2.3

Legend

AOC-4 AREA OF CONCERN

SECURITY FENCE

FORMER MCKENZIE PROPERTY BOUNDARY

AREA OF CONCERN EXTENTS

ORIGINAL EXCAVATION EXTENTS

ADDITIONAL EXCAVATION EXTENTS

EXCAVATION SIDEWALL SAMPLE RESULTS

RESULT IS BELOW DELINEATION AND RRS CRITERIA

RESULT IS ABOVE DELINEATION AND RRS CRITERIA

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.

N

10 5 0 10 Feet

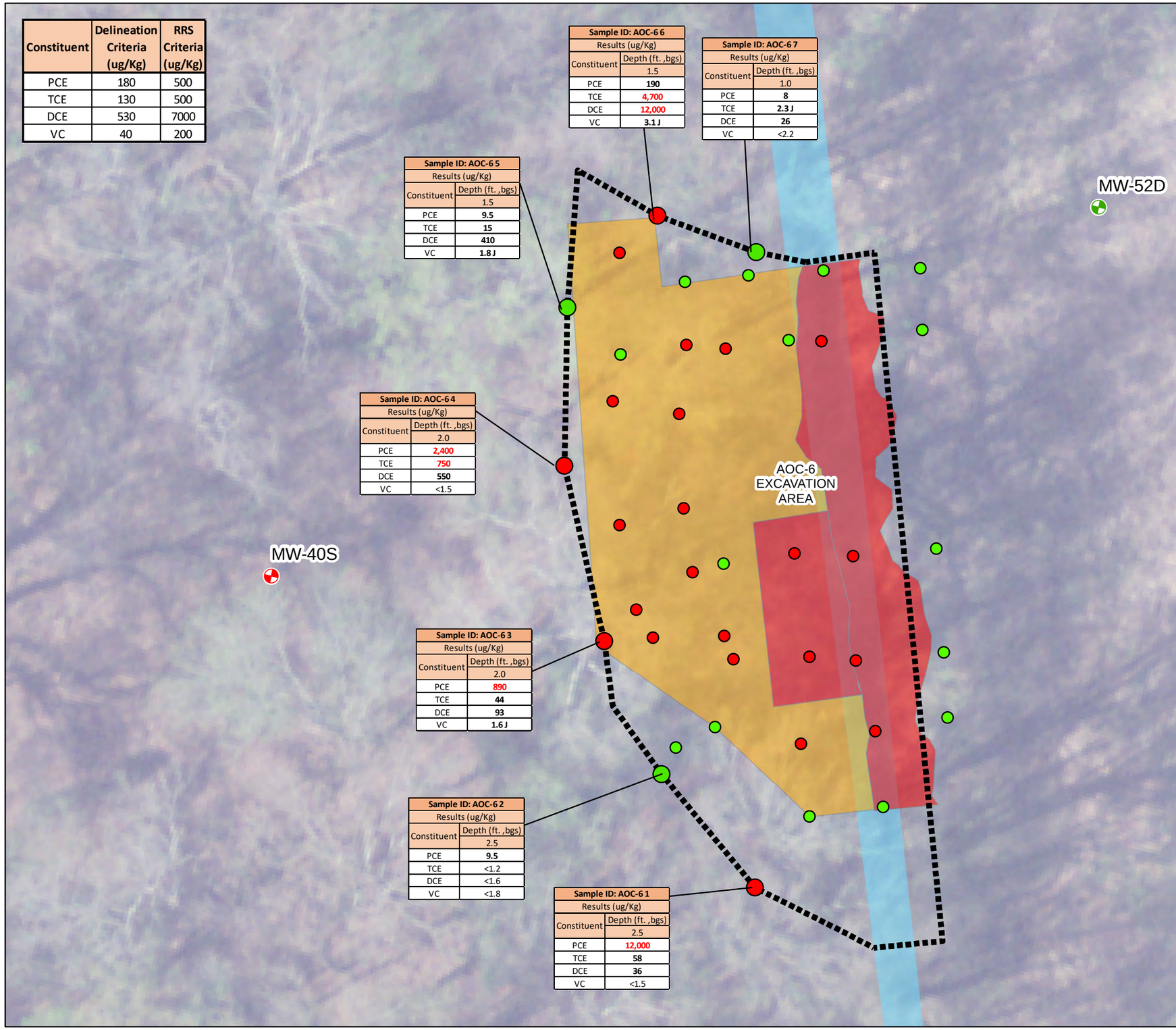
DESIGNED BY: A.G.	REVISIONS NO.	DATE	DATE: 11/19/2018
DRAWN BY: A.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-2: AOC-4 EXCAVATION EXTENTS AND CONFIRMATORY SAMPLE RESULTS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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

Constituent	Delineation Criteria (ug/Kg)	RRS Criteria (ug/Kg)
PCE	180	500
TCE	130	500
DCE	530	7000
VC	40	200



Sample ID: AOC-6 6	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	1.5
PCE	190
TCE	4,700
DCE	12,000
VC	3.1 J

Sample ID: AOC-6 7	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	1.0
PCE	8
TCE	2.3 J
DCE	26
VC	<2.2

Sample ID: AOC-6 5	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	1.5
PCE	9.5
TCE	15
DCE	410
VC	1.8 J

Sample ID: AOC-6 4	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	2.0
PCE	2,400
TCE	750
DCE	550
VC	<1.5

Sample ID: AOC-6 3	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	2.0
PCE	890
TCE	44
DCE	93
VC	1.6 J

Sample ID: AOC-6 2	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	2.5
PCE	9.5
TCE	<1.2
DCE	<1.6
VC	<1.8

Sample ID: AOC-6 1	
Results (ug/Kg)	
Constituent	Depth (ft. ,bgs)
	2.5
PCE	12,000
TCE	58
DCE	36
VC	<1.5

Legend

- WATER FEATURES
- SHALLOW MONITORING WELL
- DEEP MONITORING WELL
- APPROXIMATE EXCAVATION EXTENTS
- SUSPECTED NON-HAZARDOUS SOIL/SEDIMENT
- SUSPECTED HAZARDOUS SOIL/SEDIMENT

SOIL RESULTS

- ABOVE RRS
- BELOW RRS

NOTES: AERIAL PHOTO IS FROM USGS 0.15m RESOLUTION ORTHOIMAGERY DATABASE. 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. EXCAVATION EXTENTS AND CONFIRMATORY SAMPLE LOCATIONS ARE BASED ON MEASUREMENTS COLLECTED BY EIC WITH GPS UNIT. ANALYTICAL RESULTS ARE FROM OCTOBER 2018 SOIL EXCAVATION AND CONFIRMATORY SAMPLING CONDUCTED BY EIC.

RRS - RISK REDUCTION STANDARD

NOT FOR CONSTRUCTION

N

10 5 0 10 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/2/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: S.F.H./A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-3: AOC-6 SOIL EXCAVATION EXTENTS AND CONFIRMATORY SAMPLE RESULTS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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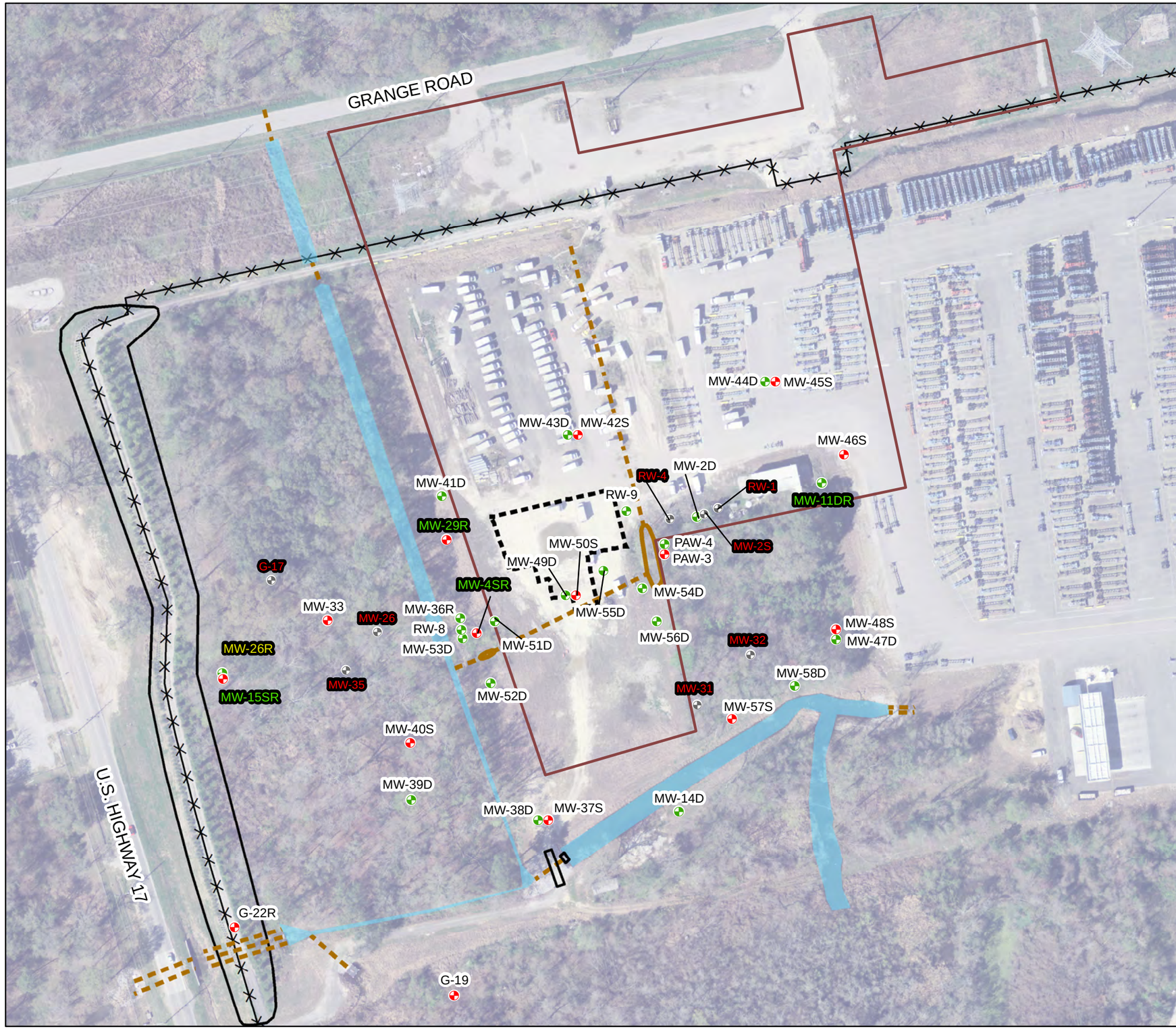
ALPHARETTA, GEORGIA 30009



Legend

- SHALLOW WELLS
- DEEP WELLS
- MW-31 ABANDONED WELLS
- MW-4SR REPLACED WELLS
- MW-26R RELOCATED WELLS
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- BERM OUTLINE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- CONCRETE APRONS

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.	DATE	DATE: 11/19/2018
DRAWN BY: S.F.H.			SCALE: SEE BAR SCALE
CHECKED BY: A.S.			SHEET NO.: 1 OF 1
APPROVED BY: R.M.			

FIGURE 5-1: WELL NETWORK MODIFICATIONS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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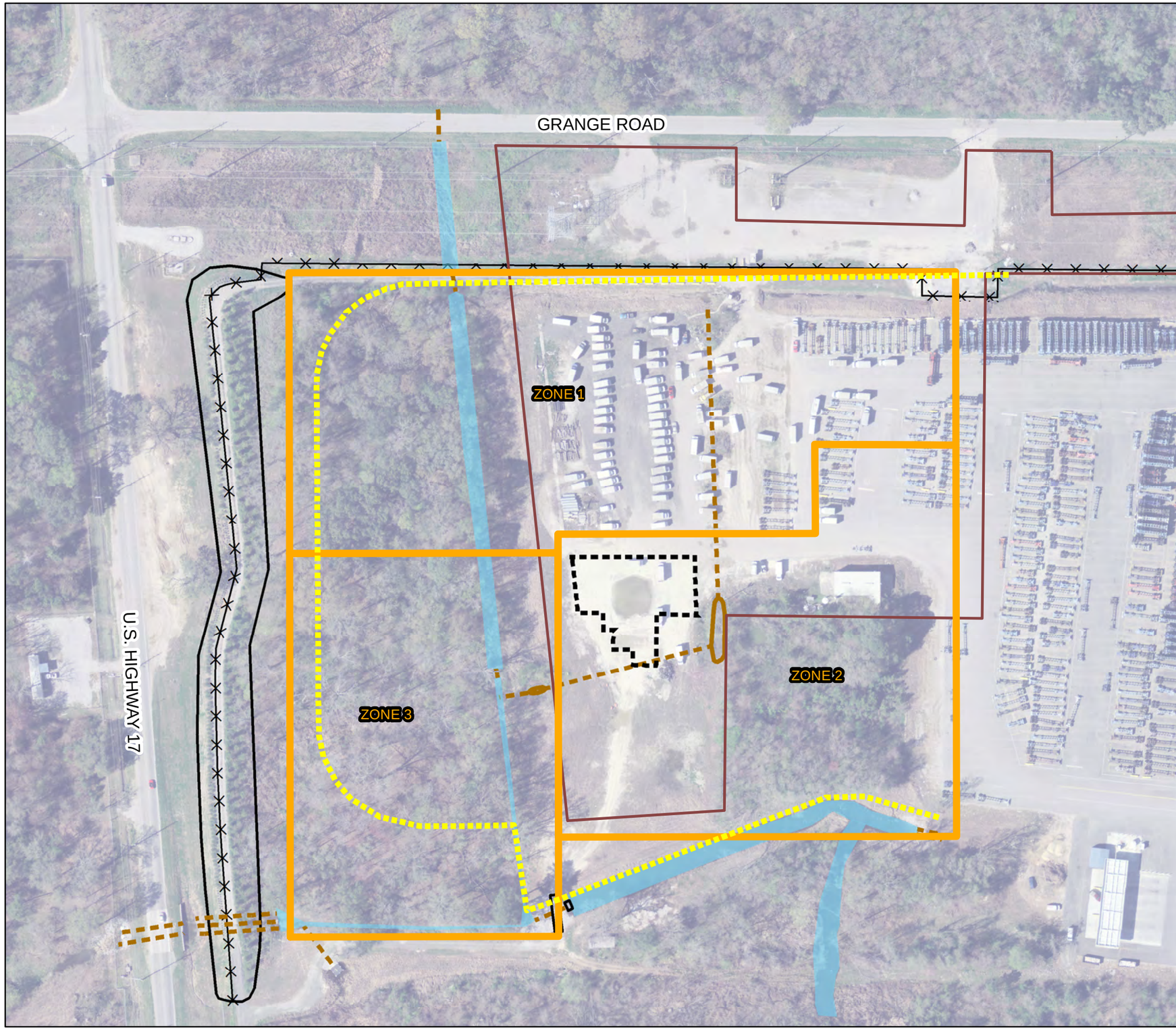
ALPHARETTA, GEORGIA 30009



Legend

- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- CONCRETE APRONS
- APPROXIMATE EXTENTS OF GPA REDEVELOPMENT ZONES
- GPA REDEVELOPMENT ZONE FOOTPRINT
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY

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 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.
GPA REDEVELLOPMENT ZONES ARE BASED ON DRAWINGS PROVIDED BY GPA CONTRACTORS.

NOT FOR CONSTRUCTION

N

190 95 0 190 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/19/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: S.F.H./A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 6-1: GPA REDEVELOPMENT ZONES

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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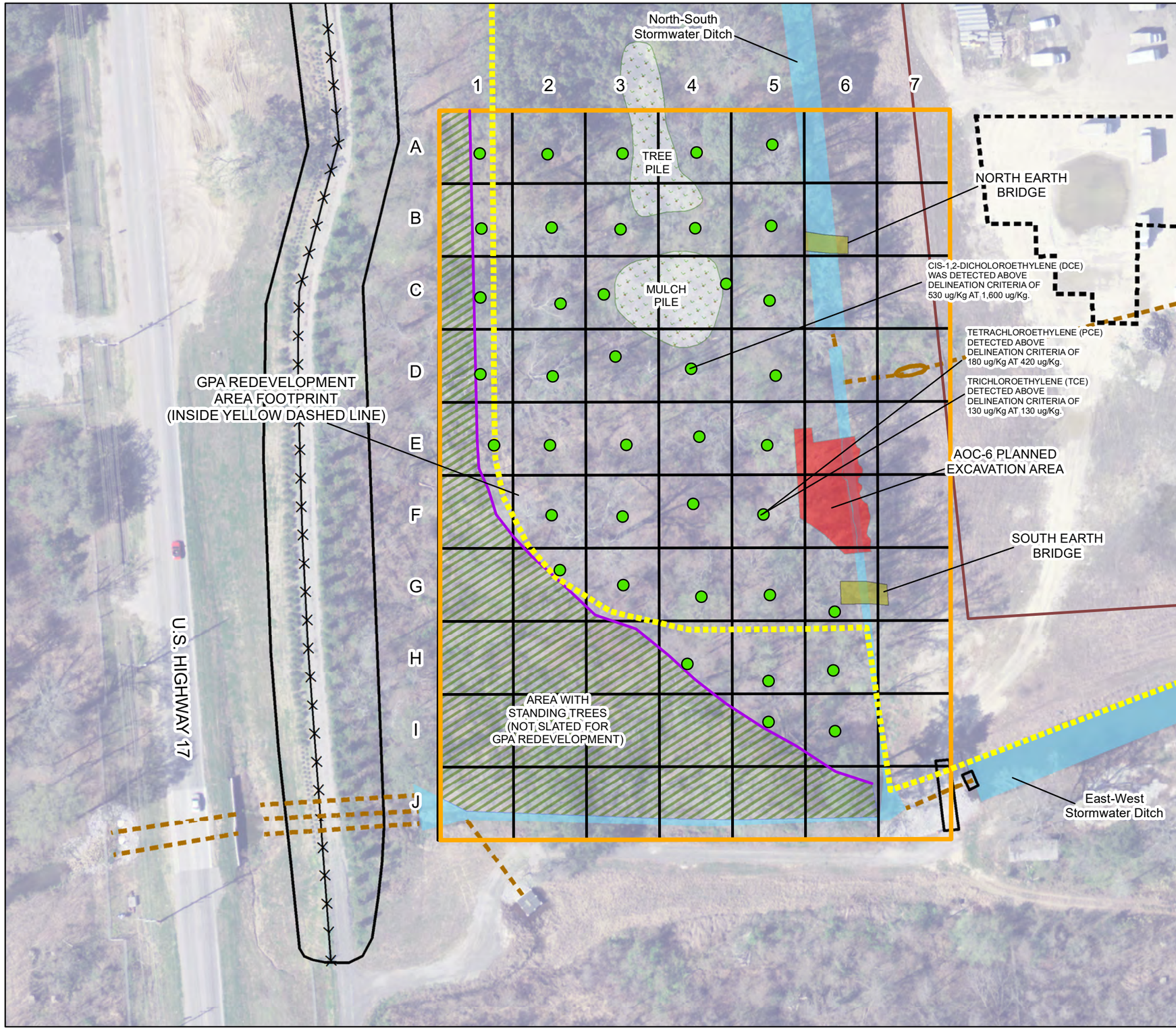
ALPHARETTA, GEORGIA 30009



Legend

- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- CONCRETE APRONS
- APPROXIMATE EXTENTS OF ZONE 3
- GPA REDEVELOPMENT ZONE FOOTPRINT
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- 50-FOOT SOIL SAMPLING GRID
- APPROXIMATE EXTENTS OF SILT FENCE
- AREA WITHIN ZONE 3 WHERE STANDING TREES REMAIN

SOIL RESULTS

- ABOVE RRS AND HAZARDOUS
- ABOVE RRS BUT NON-HAZARDOUS
- BELOW RRS AND NON-HAZARDOUS

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 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. THE APPROXIMATE EXTENTS OF THE SILT FENCE ARE BASED ON EIC FIELD MEASUREMENTS WITH A GPS DEVICE. HAZARDOUS, NON-HAZARDOUS, AND RRS CLASSIFICATIONS OF SOIL BORING LOCATIONS ARE BASED ON LABORATORY ANALYTICAL DATA COLLECTED AND EVALUATED BY EIC UTILIZING 40 CFR 261.24 "DIVIDE BY 20" RULE FOR TOXICITY CHARACTERIZATION AS WELL AS RRS ESTABLISHED FOR THE SITE AS A PART OF THE ONGOING VOLUNTARY REMEDIATION PROGRAM FOR THE STATE OF GEORGIA. THE GPA REDEVELOPMENT ZONE FOOTPRINT IS BASED ON DRAWINGS PROVIDED BY GPA. SAMPLES WERE NOT COLLECTED IN LOCATIONS WHERE TREES HAD NOT BEEN CLEARED, AS GPA DOES NOT PLAN TO REDEVELOP OR EXCAVATE SOILS IN THIS AREA.

RRS - RISK REDUCTION STANDARD

NOT FOR CONSTRUCTION

N

100 50 0 100 Feet

DESIGNED BY: A.G.	REVISIONS NO.	DATE	DATE: 10/18/2018
DRAWN BY: S.F.H./A.G.			SCALE: SEE BAR SCALE
			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 6-2: ZONE 3 SHALLOW SOIL SAMPLING RESULTS SUMMARY MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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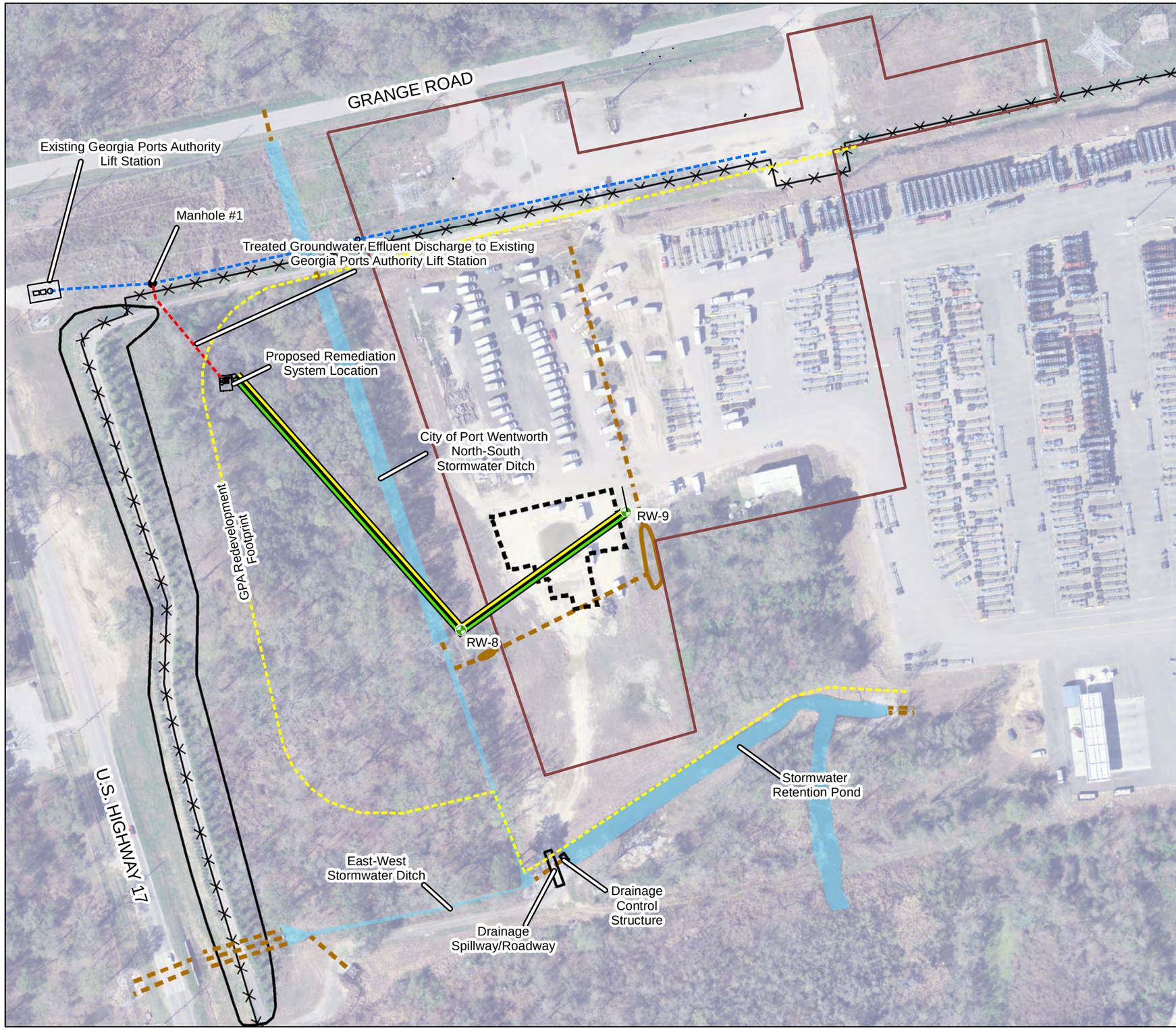

Legend

- RECOVERY WELLS
- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- TREATED GROUNDWATER EFLLUENT LINE (4-INCH)
- CONCRETE APRONS
- ELECTRICAL/COMM CONDUIT (1-INCH)
- GROUNDWATER INFLUENT LINE (4-INCH)
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY

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.

NOT FOR CONSTRUCTION PURPOSES

N

150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 11/16/2018
	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 7-1: REMEDIATION SYSTEM LAYOUT MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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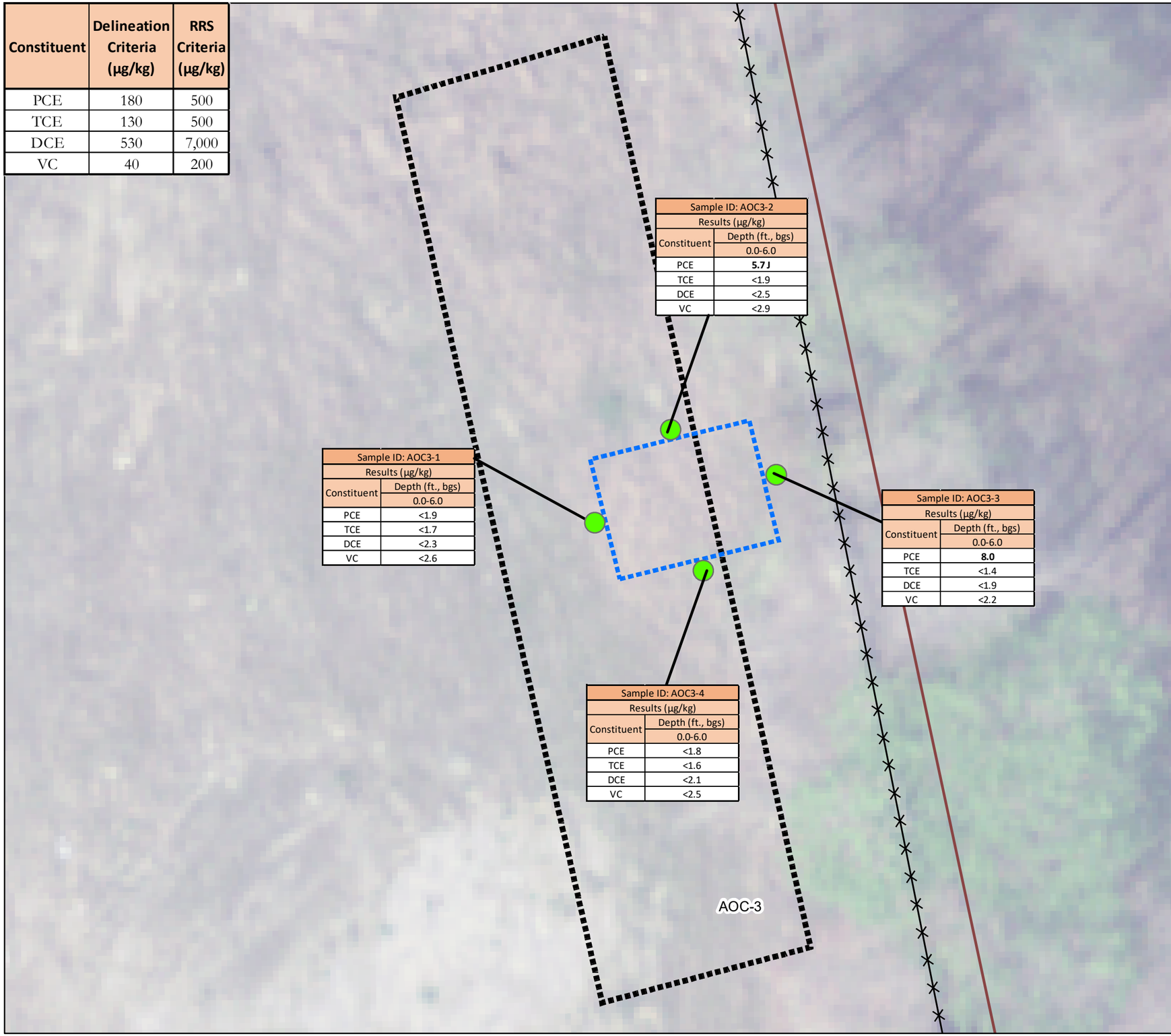
ALPHARETTA, GEORGIA 30009

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 2-1
REVISED FIGURE 4-5

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



Sample ID: AOC3-2	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**5.7 J**
TCE	<1.9
DCE	<2.5
VC	<2.9

Sample ID: AOC3-1	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	<1.9
TCE	<1.7
DCE	<2.3
VC	<2.6

Sample ID: AOC3-3	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	**8.0**
TCE	<1.4
DCE	<1.9
VC	<2.2

Sample ID: AOC3-4	
Results (µg/kg)	
Constituent	Depth (ft., bgs) 0.0-6.0
PCE	<1.8
TCE	<1.6
DCE	<2.1
VC	<2.5

LEGEND

AOC-3 AREA OF CONCERN

SECURITY FENCE

FORMER MCKENZIE PROPERTY BOUNDARY

AREA OF CONCERN EXTENTS

ACTUAL EXCAVATION EXTENTS

EXCAVATION SIDEWALL SAMPLE RESULTS

RESULT IS BELOW DELINEATION AND RRS CRITERIA

RESULT IS ABOVE DELINEATION AND RRS CRITERIA

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. SECURITY FENCE AND OTHER SITE FEATURES ARE BASED UPON SURVEY CONDUCTED BY BREWER LAND SURVEYING COMPANY IN OCTOBER 2013.

AOC SIDEWALL SAMPLES WERE COLLECTED IN MARCH 2018 FOLLOWING COMPLETION OF SOURCE REMOVAL EXCAVATION.

N

10 5 0 10 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 9/12/2018
	NO.	DATE	SCALE: SEE BAR SCALE
DRAWN BY: A.G.			SHEET NO.: 1 OF 1
CHECKED BY: A.S.			
APPROVED BY: R.M.			

FIGURE 4-5: AOC-3 COMPLETED EXCAVATION SIDEWALL SAMPLE RESULTS

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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ALPHARETTA, GEORGIA 30009

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-1
EIC WELL PURGING AND SAMPLING DATA FIELD LOGS
MAY 2018

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-17

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 73°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): 4.75 FT. | TIME: 901

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.)
905	0	24.26	6.57	79	1.29	42.6	2.64	NA	clear, no odor
910	500	24.47	6.51	76	1.31	21.7	2.16	NA	pumping rate @ 100 ml/min
915	1000	24.49	6.50	75	1.32	9.6	2.14	NA	" "
920	1500	24.50	6.51	74	1.33	8.4	2.13	NA	" "
								9.63	▶

COMMENTS:

SAMPLE COLLECTION TIME: 925

PREPARED BY: 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	11
Final tubing depth (ft.) BTOC	11
Initial pump speed	7
Time pump speed was initialized	902
Pump speed at flow into cylinder	7
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: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, quite humid, ~73°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): 6.27 FT. | TIME: 1052

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.)
1116	0	24.65	5.54	41	0.076	11.9	19.65	—	light rain began, water
1122	400	24.44	5.37	47	0.087	12.5	6.91	—	light rain end brownish
1127	620	23.91	5.04	46	0.076	13.6	1.53	—	
1133	1000	23.58	5.03	17	0.074	14.9	1.12	—	
1138	1240	23.45	5.04	11	0.075	17.2	0.95	—	speed increase to 2.24
11:43	1500	23.39	5.01	7	0.076	19.1	0.69	—	
11:51	1840	23.32	4.90	15	0.075	21.2	0.45	—	
11:56	2080	23.28	4.96	15	0.076	20.9	0.18	—	
12:01	2420	23.18	5.07	7	0.098	24.5	0.67	—	~~slowed to 1.94~~ Bubbles
1206	2600	23.33	5.11	7	0.102	29.1	1.36	—	slowed to 1.94
1211	2800	23.69	5.16	12	0.107	32.6	1.65	—	
1216	3140	23.99	5.18	21	0.105	31.4	2.20	—	
								12.02	

COMMENTS:

SAMPLE COLLECTION TIME: 12:19

PREPARED BY: CDR

* 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	11.16
Final tubing depth (ft.) BTOC	11.16
Initial pump speed	2.07
Time pump speed was initialized	1103
Pump speed at flow into cylinder	2.09
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	11:53							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: G-22R

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly cloudy, 82°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.00 FT. TO 35.00 FT.

HEIGHT OF STICK-UP: -0.07 FT. | BTOC WELL SCREEN INTERVAL: 24.93 FT. TO 34.93 FT.

TOTAL WELL DEPTH (BTOC): Reported 35.35 FT. Measured FT. | INITIAL WATER LEVEL (BTOC): 14.58 FT. | TIME: 1116

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.)
1120	0	25.77	7.96	37	0.295	17.9	1.29	14.75	clear, no odor
1125	500	25.96	7.91	34	0.294	16.6	1.11	14.75	pumping rate set @ 100mL/min
1130	1000	26.07	7.85	34	0.290	15.4	0.93	14.75	" "
1135	1500	25.93	7.75	33	0.283	13.1	0.82	14.75	" "
1140	2000	25.92	7.73	32	0.281	12.9	0.78	14.75	" "
1145	2500	26.15	7.63	25	0.277	12.4	0.70	14.75	" "
1150	3000	26.36	7.59	19	0.274	11.9	0.69	14.75	" "
1155	3500	26.35	7.58	18	0.273	11.1	0.68	14.75	" "
1200	4000	26.34	7.57	18	0.273	9.7	0.68	14.75	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1205

PREPARED BY: 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	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	7
Time pump speed was initialized	1115
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1140							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2D

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, 77°

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): 5.15 FT. | TIME: 1747

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.)
1752	0	25.8	6.23	121	0.357	10.2	2.5	5.55	slowed to 2.08
1757	360	25.54	6.59	124	0.353	~~10.27~~	1.80	5.54	
1802	620	24.94	6.34	127	0.346	5.38	0.3	5.59	
1818	0	24.39	6.28	115	0.361	4.07	0.54	5.45	Restarted sampling
1823	220	24.11	6.30	94	0.381	3.37	1.37	5.50	
1828	580	24.11	6.34	91	0.376	3.14	1.11	5.60	
1833	920	23.98	6.35	70	0.360	1.46	~~1.40~~ ↑0.51	5.68	

COMMENTS:

SAMPLE COLLECTION TIME: 1835

PREPARED BY: CDJ

* 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 1, # 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	2.53
Time pump speed was initialized	1748
Pump speed at flow into cylinder	2.53
Started new roll of tubing at	—

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

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-2S

DATE: 5-15-19 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, ~78°F

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

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

HEIGHT OF STICK-UP: -0.11 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): 5.10 FT. | TIME: 1448

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.)
1655	0	25.38	6.77	-60	1.87	2.04	1.00	5.48	Mostly Clear, slight
1700	400	24.99	6.75	-60	1.84	1.24	0.50	5.45	[illegible] 2.17
1705	680	24.14	6.74	-61	1.86	1.85	0.00	5.56	

COMMENTS:

SAMPLE COLLECTION TIME: 17:12

PREPARED BY: CDS

* 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	6.1
Final tubing depth (ft.) BTOC	6.1
Initial pump speed	2.33
Time pump speed was initialized	1648
Pump speed at flow into cylinder	2.33
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: 5-17-18 | 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: 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): 5.66 FT. | TIME: 12:48

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: 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.)
102	100	29.68	6.42	-24	1.45	8.85	6.40	5.78	
107	500	29.44	6.23	-31	1.44	12.4	0.10	5.77	Speed to 2.83
112	~~1300~~	29.01	5.19	-34	1.43	17.0	0.30	5.81	
117	1780	24.41	6.18	-34	1.54	0.00	0.01	5.81	

800 ml

COMMENTS:

SAMPLE COLLECTION TIME: ~~1:23~~ 13:23

PREPARED BY: CDS

* 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	2.49
Time pump speed was initialized	1253
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								
Actual Volume (ml)								

Additional remarks: Cap found next to well

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-11D

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 81°F

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

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

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

TOTAL WELL DEPTH (BTOC): Reported 23.10 FT Measured 21.90 FT. | INITIAL WATER LEVEL (BTOC): 9.10 FT. | TIME: 1427

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.)
1440	0	25.32	6.58	154	0.258	17.0	1.18	9.58	clear, no odor
1445	500	24.22	6.35	94	0.256	13.0	0.69	9.75	pumping rate set @ 100mL/min
1450	1000	23.98	6.28	79	0.256	15.7	0.59	9.75	" "
1455	1500	23.97	6.27	73	0.257	13.3	0.56	9.75	" "
1500	2000	23.96	6.28	71	0.258	9.6	0.56	9.75	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1505

PREPARED BY: 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	16.4
Final tubing depth (ft.) BTOC	16.4
Initial pump speed	7
Time pump speed was initialized	1435
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1500							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-14D

DATE: 5-15-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 85°F

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): 6.34 FT. | TIME: 1345

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.)
1404	0	30.8	6.94	-49	0.218	131	6.40		some solids
1409	400	27.14	6.95	-60	0.215	138	3.61	7.5	supplied water, slowed to 2.00
1414	840	27.87	6.96	-62	0.217	175	3.18	7.12	
1420	1120	27.45	6.96	-65	0.216	101	2.40	7.13	
1425	1280	27.17	6.99	-71	0.208	84.2	1.68	7.14	
1431	1700	26.91	6.99	-72	0.208	38.1	1.57	7.12	
1436	2000	26.45	7.01	-74	0.208	28.5	1.27	7.14	
1446	2240	26.56	7.00	-76	0.211	27.0	0.77	7.14	
1453	~~2760~~ 2860	26.53	7.01	-80	0.211	14.9	0.68	7.16	
1500	3280	26.87	7.02	-84	0.211	15.2	0.39	7.15	
1505	3400	27.01	7.02	-86	0.211	54.0	0.34	7.14	
1510	3900	26.85	7.01	-85	0.211	54.0	0.22	7.15	Horiba taken apart + cleaned
1533	4840	27.03	7.05	-65	0.200	5.69	1.77	7.07	
1538	4820	26.79	7.04	-70	0.200	5.81	1.42	7.08	
1543	5280	25.80	7.0°	-80	0.202	5.15	0.53	7.08	

COMMENTS:

SAMPLE COLLECTION TIME: 1550

PREPARED BY: CDS

* 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	2.29
Time pump speed was initialized	1355
Pump speed at flow into cylinder	2.30
Started new roll of tubing at	–

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1436	1519						
Actual Volume (ml)	2000	4000						

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-15S

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 71°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): 3.80 FT. | TIME: 748

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.)
755	0	22.94	7.35	134	0.295	73.4	2.68	NA	clear, no odor
800	500	23.05	7.22	100	0.296	23.3	1.24	NA	pumping rate set @ 100mL/min
805	1000	23.02	7.20	76	0.296	18.4	0.98	NA	" "
810	1500	22.92	7.12	61	0.296	13.7	0.82	NA	" "
815	2000	22.91	7.11	42	0.296	12.7	0.76	NA	" "
820	2500	22.90	7.10	41	0.296	11.8	0.75	NA	" "
825	3000	22.90	7.09	40	0.296	9.7	0.76	NA	" "
—	—	—	—	—	—	—	—	3.96	

COMMENTS:

SAMPLE COLLECTION TIME: 830

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	17.4
Final tubing depth (ft.) BTOC	17.4
Initial pump speed	7
Time pump speed was initialized	750
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	815							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-26

DATE: 5-16-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: 85° F Partly Cloudy

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): 3.60 FT. | TIME: 9120

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.)
9:34	0	23.04	7.79	93	0.361	3.62	23.29	—	Clear
9:41	500	22.50	7.66	108	0.392	3.42	4.23	—	
9:46	900	22.38	7.65	108	0.391	6.40	3.51	—	
9:52	1250	22.15	7.69	82	0.389	3.79	2.61	—	
9:57	1700	22.05	7.82	30	0.388	2.28	1.80	—	
10:03	1980	22.02	7.78	2	0.389	0.72	1.10	—	
10:08	2320	21.87	8.01	-16	0.388	1.58	0.77	7.98	

COMMENTS:

SAMPLE COLLECTION TIME: 10:12

PREPARED BY: CDS

* 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	2.15
Time pump speed was initialized	9:17
Pump speed at flow into cylinder	2.17
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	10:04							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE 1 OF 1

WELL/SAMPLE NO: MW-29

DATE: 5-17-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Mostly cloudy 88F [illegible]

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): 2.74 FT. | TIME: 16:34

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.)
16:48	0	28.92	6.30	66	0.395	14.3	2.72	—	
16:53	260	28.51	6.16	62	0.402	10.3	1.78	—	
16:58	590	27.69	5.97	63	0.418	9.91	0.09	—	
17:03	940	27.52	5.90	65	0.415	8.60	0.03	—	
17:09	1380	27.26	5.92	59	0.409	8.09	0.00	—	
17:12								7.57	

COMMENTS:

SAMPLE COLLECTION TIME: 17:15

PREPARED BY: Stleiny

* 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	16
Initial pump speed	~~1.42~~ 2.17
Time pump speed was initialized	16:40
Pump speed at flow into cylinder	2.17
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 initially submerged by rain water. Diverted rain water after rain stopped. Washed well vault. Prior to [illegible]

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-~~32~~ 31

DATE: 5/17/18 | 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.~~97~~42 FT. | BTOC WELL SCREEN INTERVAL: 14.~~37~~42 FT. TO 24.~~37~~42 FT.

TOTAL WELL DEPTH (BTOC): Reported 24.~~37~~42 FT Measured 22.~~152~~ FT. | INITIAL WATER LEVEL (BTOC): 5.74 FT. | TIME: 831

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.)
855	0	22.33	5.67	147	0.381	331	3.53	–	Bit orange
900	440	22.33	5.70	142	0.391	279	2.90	–	
905	800	22.18	5.69	139	0.406	249	1.09	–	
910	1100	22.07	5.68	138	0.407	221	0.67	–	
915	1420	22.00	5.69	135	0.411	206	0.33	–	
920	1720	21.99	5.69	135	0.411	195	0.24	–	
925	2040	21.96	5.67	136	0.417	184	0.00	–	Spec cond to 2.37
931	2360	21.96	5.66	136	0.419	164	0.00	–	
941	3020	21.98	5.64	138	0.438	152	0.00	–	
951	3680	22.00	5.60	140	0.454	135	0.00	–	
1001	4240	22.02	5.60	139	0.453	129	0.00	–	
1006	4600	22.03	5.60	137	0.469	127	0.00	–	
1013	5020	22.08	5.61	135	0.482	118	0.00	–	
								5.89	

COMMENTS:

SAMPLE COLLECTION TIME: 1018

PREPARED BY: CDJ

* 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	2.20
Time pump speed was initialized	841
Pump speed at flow into cylinder	2.20
Started new roll of tubing at	–

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	925	952						
Actual Volume (ml)	2000	2000						

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

PAGE ____ OF ____

WELL/SAMPLE NO: MW-3~~7~~2

DATE: 5-17-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, threatening rain

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~~37 FT. | BTOC WELL SCREEN INTERVAL: 14.~~42~~37 FT. TO 24.~~42~~37 FT.

TOTAL WELL DEPTH (BTOC): Reported 24.~~42~~37 FT Measured 22.~~29~~18 FT. | INITIAL WATER LEVEL (BTOC): 5.80 FT. | TIME: 735

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.)
752	0	22.28	5.19	218	0.305	3.74	8.24	–	Clear, no odor
757	360	22.11	5.16	233	0.305	1.12	5.01	–	
802	580	21.47	5.10	242	0.307	0.00	1.16	–	
807	1080	21.37	5.10	250	0.305	0.00	0.68	–	
812	1340	21.33	5.10	252	0.305	0.00	0.52	–	
817	1540	21.29	5.10	251	0.305	0.00	0.15	5.85	

COMMENTS:

SAMPLE COLLECTION TIME: 822

PREPARED BY: CDV

* 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	2.07
Time pump speed was initialized	743
Pump speed at flow into cylinder	2.08
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: 5-16-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, 70°F

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): 4.87 FT. | TIME: 807

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.)
811	0	22.01	7.26	-26	0.510	—	4.33	—	Clearish
816	260	22.03	7.25	-26	0.515	—	4.02	—	
826	840	21.44	7.15	-45	0.569	35.1	3.84	—	Changed batteries in sensor
831	1140	21.41	7.14	-50	0.563	11.8	1.00	—	
836	1400	21.37	7.12	-52	0.558	7.51	0.51	—	
841	1640	21.32	7.11	-52	0.556	5.72	0.49	4.97	

COMMENTS:

SAMPLE COLLECTION TIME: 844

PREPARED BY: CDJ

* 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	2.15
Time pump speed was initialized	801
Pump speed at flow into cylinder	2.17
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: Turbidity meter inoperable for first two readings before battery change

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-35

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 76°F

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

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

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

TOTAL WELL DEPTH (BTOC): Reported 21.18 FT Measured 39.20 FT. | INITIAL WATER LEVEL (BTOC): 0.51 FT. | TIME: 950

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.)
955	0	24.97	7.46	27	0.293	22.1	3.33	NA	clear, no odor
1000	500	25.17	7.84	18	0.290	20.6	1.02	NA	pumping rate set @ 100 mL/min
1005	1000	25.16	7.85	17	0.290	15.7	1.02	NA	" "
1010	1500	25.15	7.83	17	0.290	8.2	1.01	NA	" "
	—	—	—	—	—	—	—	2.50	

COMMENTS:

SAMPLE COLLECTION TIME: 1011

PREPARED BY: 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	7
Time pump speed was initialized	951
Pump speed at flow into cylinder	7
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-36R

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 78°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 22.50 FT. TO 27.50 FT.

HEIGHT OF STICK-UP: 0.08 FT. | BTOC WELL SCREEN INTERVAL: 22.63 FT. TO 27.63 FT.

TOTAL WELL DEPTH (BTOC): Reported 27.84 FT. Measured FT. | INITIAL WATER LEVEL (BTOC): 2.55 FT. | TIME: 1609

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.)
1612	0	26.28	7.66	6	0.271	14.1	1.50	2.80	clear, no odor
1617	500	25.49	7.77	-6	0.275	12.7	0.80	2.80	pumping rate @ 100 mL/min
1622	1000	25.28	7.73	-9	0.274	11.3	0.65	2.80	" "
1627	1500	25.28	7.78	-15	0.274	9.0	0.61	2.80	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1505

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	25
Final tubing depth (ft.) BTOC	25
Initial pump speed	7
Time pump speed was initialized	1610
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

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

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-37S

DATE: 5-16-2018 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, 75°

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): 5.08 FT. | TIME: 16:15

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: 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.)
1619	200	—	—	—	—	—	—		Orange & gunk, diverted
1624	200	27.27	6.87	-49	0.246	40.4	0.84	5.27	
1629	600	28.2	6.71	-47	0.267	32.6	0.00	5.26	
1634	980	28.03	6.71	-50	0.268	28.7	0.00	5.28	
1639	1420	27.74	6.71	-55	0.270	26.1	0.00	5.26	
1645	1900	27.58	6.72	-57	0.271	24.5	0.00	5.27	
1650	2200	26.11	6.62	-53	0.271	24.0	0.00	5.27	
1655	2580	26.01	6.65	-55	0.280	24.4	0.00	5.27	
1700	2890	25.81	6.69	-59	0.281	24.4	0.00	5.27	
1705	3200	25.66	6.70	-59	0.281	22.3	0.00	5.27	
1710	3660	25.62	6.70	-59	0.284	21.8	0.00	5.27	
1715	3950	25.49	6.70		0.288	21.6	0.00	5.27	

COMMENTS:

SAMPLE COLLECTION TIME: 1721

PREPARED BY: CDV

* 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	2.62
Time pump speed was initialized	1616
Pump speed at flow into cylinder	2.62
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1648							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-38D

DATE: 5-16-18 | 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): 5.41 FT. | TIME: 1726

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.)
1747	0	26.32	6.71	-6	0.147	13.3	4.95	5.65	
1752	220	27.10	6.92	24	0.140	21.3	6.19	6.20	
1757	790	27.21	7.23	-16	0.329	20.2	0.76	6.60	
1802	960	24.06	7.31	-48	0.358	20.2	0.00	7.23	Spd up to 3.10
1807	1400	23.61	7.32	-53	0.362	25.5	0.00	7.54	
1812	1960	23.47	7.30	~~-54~~ -54	0.361	18.6	0.00	7.91	
1817	2450	23.26	7.29	-57	0.361	17.2	0.00	7.87	
1822	2890	23.16	7.30	-61	0.361	16.4	0.00	8.18	
1827	3410	23.11	7.29	-61	0.358	13.3	0.00	8.25	
1832	4090	23.07	7.29	-61	0.357	12.6	0.00	8.30	
1837	4270	23.02	7.34	-64	0.357	11.1	0.00	8.30	
1842	4600	22.97	7.37	-63	0.366	9.04	0.00	8.30	

COMMENTS:

SAMPLE COLLECTION TIME: 1847

PREPARED BY: CDS

* 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.)	27.5
Initial tubing depth (ft.) BTOC	31
Final tubing depth (ft.) BTOC	31
Initial pump speed	2.55
Time pump speed was initialized	1740
Pump speed at flow into cylinder	2.58
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1814							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-39D

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 71°F

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): 3.16 FT. | TIME: 1601

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.)
1608	0	27.19	7.77	-75	0.234	12.0	2.06	3.30	clear, no odor
1613	500	24.54	8.53	-102	0.262	8.3	1.07	3.30	pumping rate set @ 100mL/min
1618	1000	24.44	8.36	-101	0.264	7.6	0.95	3.30	" "
1623	1500	24.36	8.27	-99	0.265	6.9	0.88	3.30	" "
1628	2000	24.33	8.26	-97	0.266	6.7	0.88	3.30	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1633

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	28
Final tubing depth (ft.) BTOC	28
Initial pump speed	7
Time pump speed was initialized	1603
Pump speed at flow into cylinder	7
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: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly cloudy, 78°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 10.28 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): 0.73 FT. | TIME: 1412

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.)
1415	0	30.62	6.86	46	0.259	67.7	0.69	0.92	clear, no odor
1420	500	30.44	6.84	40	0.260	65.1	0.64	0.92	pumping rate set @ 100mL/min
1425	1000	29.98	6.84	26	0.260	49.1	0.54	0.92	" "
1430	1500	29.76	6.80	24	0.263	42.8	0.51	0.92	" "
1435	2000	29.29	6.86	6	0.268	28.6	0.46	0.92	" "
1445	3000	29.33	6.86	-1	0.266	24.7	0.47	0.92	" "
1455	4000	28.24	6.89	-22	0.270	22.2	0.40	0.92	" "
1505	5000	28.22	6.91	-27	0.268	19.4	0.39	0.92	" "
1515	6000	28.20	6.91	-31	0.269	18.3	0.38	0.92	" "
1520	6500	27.19	6.91	-36	0.269	20.6	0.37	0.92	" "
1525	7000	27.18	6.91	-38	0.269	18.5	0.37	0.92	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1530

PREPARED BY: 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
Time pump speed was initialized	1413
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1435	1455	1515					
Actual Volume (ml)	2000	2000	2000					

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-410

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 74°F

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): 30.25 FT. | INITIAL WATER LEVEL (BTOC): 3.95 FT. | TIME: 1452

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 ANALYSI: AES | 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.)
1500	0	26.11	6.64	62	0.226	7.6	3.24	4.52	clear, no odor
1525	2500	25.25	7.36	16	0.232	6.4	0.62	4.52	pumping rate setup laminar
1530	3000	25.24	7.38	15	0.232	5.3	0.61	4.52	" " "
1535	3500	25.22	7.40	14	0.232	4.1	0.59	4.52	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1540

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	7
Time pump speed was initialized	1455
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1520							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-42S

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 77°F

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): 4.21 FT. | TIME: 1800

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.)
1814	0	27.06	6.84	56	1.48	73.8	1.52	5.25	clear, no odor
1819	500	27.43	6.65	44	1.51	46.5	1.11	5.25	Pumping rate set @ 100ml/min
1824	1000	27.42	6.64	43	1.50	21.4	1.10	5.25	" "
1829	1500	27.41	6.63	42	1.49	9.2	1.09	5.25	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1832

PREPARED BY: 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
Time pump speed was initialized	1810
Pump speed at flow into cylinder	7
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: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 77°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): 4.60 FT. | TIME: 1804

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.)
1840	0	27.38	7.41	-8	0.308	17.9	0.88	5.30	Clear, no odor
1845	500	27.42	7.40	-2	0.301	15.4	0.73	5.30	Pumping rate set @ 100mL/min
1850	1000	27.44	7.38	1	0.300	12.6	0.87	5.30	" "
1855	1500	27.50	7.39	-2	0.301	9.4	0.86	5.30	" "
1900	2000	27.51	7.40	-2	0.301	9.1	0.85	5.30	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1905

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	28
Final tubing depth (ft.) BTOC	28
Initial pump speed	7
Time pump speed was initialized	1836
Pump speed at flow into cylinder	7
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-44D

DATE: 5/16/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 74°F

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): 7.30 FT. | TIME: 17:10

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: 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.)
1809	0	30.50	5.66	83	0.439	13.5	1.47	7.30	clear, no odor
1814	500	29.81	5.58	85	0.473	9.8	1.05	7.30	pumping rate set @ 100mL/min
1819	1000	29.73	5.58	83	0.474	9.6	0.92	7.30	" "
1824	1500	29.71	5.58	82	0.476	9.4	0.85	7.30	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1830

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	27
Final tubing depth (ft.) BTOC	27
Initial pump speed	17
Time pump speed was initialized	1900
Pump speed at flow into cylinder	17
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-45S

DATE: 5-16-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 76°F

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): 6.79 FT. | TIME: 17:09

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

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

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

PID/FID READINGS (ppm): BACKGROUND: — 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.)
1720	0	29.76	5.50	73	0.502	12.7	1.18	7.0	clear, no odor
1725	500	29.61	5.42	78	0.505	10.3	0.96	7.0	pumping rate set @ 100 mL/min
1730	1000	29.50	5.37	81	0.501	9.2	0.82	7.0	" "
1735	1500	29.72	5.33	81	0.503	9.0	0.77	7.0	" "
1740	2000	29.74	5.34	82	0.499	8.8	0.74	7.0	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1745

PREPARED BY: 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
Time pump speed was initialized	1715
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1740							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-46S

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 79°F

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): 7.18 FT. | TIME: 1250

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.)
1252	0	27.73	6.11	243	0.504	15.4	1.45	7.71	Clear, no odor
1257	300	27.39	6.30	209	0.528	13.6	1.10	7.65	Increase pumping rate.
1302	1800	25.75	6.33	202	0.311	64.9	3.83	7.84	Decrease pumping rate.
1307	2800	26.43	6.35	203	0.250	53.1	4.43	7.60	Decrease pumping rate.
1312	3200	26.67	6.36	203	0.267	44.4	3.87	7.52	Increase pumping rate.
1317	3900	27.07	6.33	204	0.303	38.8	3.60	7.75	Decrease pumping rate.
1322	4300	27.00	6.32	204	0.310	36.6	3.17	7.75	Decrease pumping rate.
1327	4800	27.20	6.36	201	0.335	30.5	2.69	7.50	Pumping rate set @ 100 ml/min.
1332	5300	27.40	6.36	201	0.345	29.5	2.52	7.50	" "
1337	5800	27.20	6.33	202	0.369	25.5	2.31	7.50	" "
1342	6300	26.95	6.33	201	0.385	23.8	2.17	7.50	" "
1347	6800	26.89	6.32	200	0.429	20.6	1.89	7.50	" "
1352	7300	26.86	6.32	200	0.482	18.2	1.62	7.50	" "
1357	7800	26.62	6.23	203	0.441	16.9	1.45	7.50	" "
1402	8300	26.61	6.22	201	0.443	12.8	1.44	7.50	" "
1407	8800	26.60	6.22	201	0.442	9.7	1.43	7.50	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1410

PREPARED BY: 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
Time pump speed was initialized	1251
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1304	1318	1338	1359				
Actual Volume (ml)	2000	2000	2000	2000				

Additional remarks: Rain event 5/15/18, water in well vault recharging during purging/sampling.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-47D

DATE: 5-15-2018 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 82 F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.03 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): 7.08 FT. | TIME: 1444

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.)
1451	0	24.93	6.26	167	0.341	170	18.57	7.10	slightly orange
1456	440	24.47	6.23	163	0.352	~~170~~ 155	8.53	7.11	
1502	960	23.15	5.87	129	0.327	89.4	0.23	7.11	
1511	1360	22.94	5.86	119	0.321	71.0	0.16	7.11	
1516	1720	22.84	5.80	110	0.319	60.8	0.00	7.11	
1521	2420	22.74	6.07	83	0.323	43.3	0.00	7.11	
1526	2830	22.77	6.08	80	0.325	40.4	0.00	7.11	
1531	3200	22.86	6.14	72	0.331	39.1	0.00	7.11	
1536	3580	22.85	6.15	69	0.333	39.4	0.00	7.11	
1541	4200	22.83	6.08	70	0.336	37.5	0.00	7.11	
1546	4400	22.79	6.12	67	0.338	30.1	0.00	7.11	
1551	4800	22.72	6.20	62	0.340	32.8	0.00	7.11	
1555	5060	22.74	6.17	64	0.342	26.2	0.00	7.11	

COMMENTS:

SAMPLE COLLECTION TIME: 1557

PREPARED BY: CDV

* 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	2.51
Time pump speed was initialized	1445
Pump speed at flow into cylinder	2.51
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1518	1539						
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-48S

DATE: 8-15-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy. 80°

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): 6.87 FT. | TIME: 12:48

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: 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.)
1:02 ~~12:57~~	0	25.08	5.40	120	0.180	NM	2.79	6.89	Clear
1:07	430	23.12	4.78	172	0.193	NM	1.07	6.90	sensor discovered to check on NTU reading
1:19	1120	24.96	4.32	193	0.157	NM	2.75	6.90	
1324	1520	24.85	4.55	198	0.145	NM	0.64	6.90	
1354	0	24.78	4.61	231	0.153	0.08	1.65	6.90	Test Restarted. Clear
1359	560	23.79	4.57	239	0.152	0.00	0.70	6.90	
1404	~~23.17~~ 880	23.16	4.52	246	0.152	0.00	0.34	6.90	
1409	1460	22.85	4.38	258	0.154	0.00	0.14	6.90	

COMMENTS:

SAMPLE COLLECTION TIME: 14:21

PREPARED BY: CDJ

* 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	2.51
Time pump speed was initialized	12:56
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								
Actual Volume (ml)								

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-49D

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 76°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): 5.60 FT. | TIME: 1214

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.)
1223	0	28.73	7.34	11	0.527	99.2	1.39	6.10	clear, no odor
1228	500	28.61	6.97	9	0.531	29.4	0.79	6.10	pumping rate set @ 100mL/min
1233	1000	28.60	6.94	4	0.536	14.8	0.78	6.10	" "
1238	1500	28.58	6.91	0	0.535	12.4	0.77	6.10	" "
1243	2000	28.57	6.90	0	0.534	9.7	0.76	6.10	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1245

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	7
Time pump speed was initialized	1220
Pump speed at flow into cylinder	7
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: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 74°F

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: 1215

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.)
1300	0	30.17	5.35	80	0.495	30.0	1.63	5.89	clear, no odor
1305	500	29.23	5.29	85	0.510	27.5	0.62	5.89	pumping rate set @ 100mL/min
1310	1000	29.22	5.30	86	0.505	18.7	0.48	5.89	" "
1315	1500	28.49	5.28	88	0.501	14.6	0.47	5.89	" "
1320	2000	27.83	5.72	87	0.500	11.3	0.47	5.89	" "
1325	2500	27.82	5.71	87	0.500	9.4	0.46	5.89	" "
1330	3000	27.80	5.70	86	0.500	7.6	0.44	5.89	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1335

PREPARED BY: 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
Time pump speed was initialized	1255
Pump speed at flow into cylinder	7
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-51D

DATE: 5-17-18 | 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): 4.79 FT. | TIME: 11:52

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.)
1203	0	25.26	7.05	103	0.219	17.1	22.52	4.9	
1208	580	25.51	7.24	20	0.382	5.05	1.29	4.95	
1214	1000	25.47	7.20	75	0.395	2.57	0.11	4.98	
1219	1400	25.52	7.40	32	0.434	1.34	0.00	4.98	
1224	~~25.59~~	25.51	7.40	25	0.436	3.74	0.00	4.98	
1229	2100	25.52	7.36	18	0.438	3.74	0.00	4.98	

1500 ml

COMMENTS: | SAMPLE COLLECTION TIME: 1232 | PREPARED BY: CDV

* 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	2.60
Time pump speed was initialized	11:58
Pump speed at flow into cylinder	2.61
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: 5-17-19 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Overcast, humid [redacted] close to 100%, sprinkle of rain

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): 3.34 FT. | TIME: 1052

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.)
403	500	22.71	6.97	3	0.283	10.1	18.16	3.34	Brief rain
408	1130	22.63	7.02	-2	0.308	7.67	8.21	3.54	
1113	1400	22.51	7.18	-15	0.318	8.62	0.51	3.34	
1118	1900	22.47	7.14	-23	0.320	8.62	0.00	3.35	
1123	2320	22.30	7.20	-34	0.335	7.84	0.00	3.66	

COMMENTS:

SAMPLE COLLECTION TIME: 1131

PREPARED BY: CDS

* 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	2.67
Time pump speed was initialized	1058
Pump speed at flow into cylinder	2.62
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1120							
Actual Volume (ml)	2000							

Additional remarks: Water entered cylinder during weather proofing. First reading is recorded.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-53D

DATE: 5-17-18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: heavy rain

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): 2.50 FT. | TIME: 16:42

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: 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.)
1506	500	26.48	6.85	56	0.827	0.00	0.31	—	
15:11	—	25.70	6.72	26	1.15	0.00	0.41	2.50	
15:16	1360	25.32	6.63	13	1.32	0.00	0.12	2.52	
15:26	1930	24.66	6.68	7	1.24	0.00	0.00	2.52	
15:37	2400	24.19	6.72	5	1.12	0.00	0.00	2.52	
~~—~~	~~3160~~	~~24.19~~	~~6.72~~	~~5~~				~~2.49~~	S.M.
15:42	3600	24.12	6.71	10	1.14	0.00	0.00	2.49	
15:47	3800	24.41	6.67	11	1.26	0.00	0.00	2.48	
15:57	4000	24.41	6.67	10	1.32	0.00	0.09	2.50	
~~16:02~~	~~4560~~	~~24.41~~	~~6.67~~						S.M.
16:07	4700	24.20	6.71	8	1.34	0.00	0.00	2.52	
16:12	5100	24.22	6.70	9	1.36	0.00	0.00	2.52	
16:17	5520	24.38	6.68	4	1.39	0.00	0.00	2.52	

COMMENTS:

SAMPLE COLLECTION TIME: 16:20

PREPARED BY: S Heavy

* 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	27.3
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	2.50
Time pump speed was initialized	1301
Pump speed at flow into cylinder	2.60
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	15:27	15:58						
Actual Volume (ml)	2000	1000						

Additional remarks: Gauged well after sampling, took time for stabilization. Heavy rain began at start of sampling

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-54D

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 72°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): 4.97 FT. | TIME: 1103

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.)
1112	0	24.83	7.53	10	0.242	13.0	2.53	5.64	clear, no odor
1117	500	24.79	7.70	-1	0.242	12.1	1.07	5.64	Pumping rate set@ 100mL/min
1122	1000	24.76	7.72	-3	0.242	11.4	1.13	5.64	" "
1127	1500	24.74	7.73	-4	0.242	10.3	1.11	5.64	" "
1132	2000	24.73	7.74	-3	0.241	9.3	1.10	5.64	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1135

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	1
Time pump speed was initialized	1107
Pump speed at flow into cylinder	1
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: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 72°F

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: 1146

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.)
1150	0	27.72	7.67	-4	0.269	9.8	0.94	6.24	clear, no odor
1155	500	27.60	7.79	-14	0.270	9.9	0.72	6.24	pumping rate set @ 100mL/min
1200	1000	27.58	7.78	-11	0.272	9.9	0.67	6.24	" "
1205	1500	27.56	7.78	-10	0.271	9.7	0.65	6.24	" "

COMMENTS:

SAMPLE COLLECTION TIME: 12:10

PREPARED BY: 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.)	31.5
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	7
Time pump speed was initialized	1147
Pump speed at flow into cylinder	7
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: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 76°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): 1.52 FT. | TIME: 1019

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.)
1025	0	25.68	6.66	71	0.239	27.4	1.10	5.04	clear, no odor
1030	500	25.92	7.18	40	0.236	13.6	0.78	5.04	pumping rate set @ 100 mL/min
1035	1000	26.08	7.34	29	0.234	11.4	0.70	5.04	" "
1040	1500	26.06	7.36	28	0.234	10.6	0.09	5.04	" "
1045	2000	26.05	7.35	27	0.234	9.3	0.08	5.04	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1050

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	27.5
Final tubing depth (ft.) BTOC	27.5
Initial pump speed	7
Time pump speed was initialized	1021
Pump speed at flow into cylinder	7
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-57S

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 73°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 9.58 FT. TO 19.58 FT.

HEIGHT OF STICK-UP: 0.27 FT. | BTOC WELL SCREEN INTERVAL: 9.85 FT. TO 19.85 FT.

TOTAL WELL DEPTH (BTOC): Reported 20.26 FT. Measured 18.2 FT. | INITIAL WATER LEVEL (BTOC): 3.34 FT. | TIME: 820

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.)
830	0	24.69	6.12	96	0.546	465	2.90	3.40	clear, no odor
835	500	24.80	5.80	110	0.560	392	1.24	3.40	pumping rate set @ 100ml/min
840	1000	24.91	5.76	113	0.545	322	1.07	3.40	" "
845	1500	24.94	5.72	118	0.543	253	0.97	3.40	" "
855	2500	25.53	5.69	119	0.510	126	0.74	3.40	" "
905	3500	25.49	5.72	116	0.431	84.1	0.72	3.40	" "
915	4500	25.58	5.71	116	0.423	78.9	0.67	3.40	" "
920	5000	25.70	5.73	115	0.412	63.5	0.57	3.40	" "
930	6000	25.86	5.65	119	0.380	41.7	0.62	3.40	" "
940	7000	26.00	5.71	115	0.369	31.9	0.50	3.40	" "
950	8000	26.07	5.69	116	0.368	30.3	0.50	3.40	" "
955	8500	26.06	5.71	115	0.368	30.0	0.48	3.40	" "
1000	9000	26.05	5.70	116	0.368	29.8	0.48	3.40	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1005

PREPARED BY: 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
Time pump speed was initialized	828
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	860							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: MW-58D

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 73°F

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

WELL DIAMETER (IN.) [ ] 1 [X] 2 [ ] 4 [ ] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 25.00 FT. TO 30.00 FT.

HEIGHT OF STICK-UP: 0.11 FT. | BTOC WELL SCREEN INTERVAL: 25.11 FT. TO 30.11 FT.

TOTAL WELL DEPTH (BTOC): Reported 30.53 FT. Measured 29.05 FT. | INITIAL WATER LEVEL (BTOC): 3.43 FT. | TIME: 734

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.)
740	0	24.14	7.07	128	0.246	12.8	1.93	3.52	Clear, no odor
745	500	24.02	7.39	108	0.244	12.2	1.22	3.52	pumping rate set @ 100ml/min
750	1000	23.85	7.57	64	0.244	12.4	1.02	3.52	" "
755	1500	23.91	7.61	42	0.244	11.8	0.88	3.52	" "
800	2000	23.92	7.63	40	0.244	10.6	0.87	3.52	" "
805	2500	23.93	7.64	41	0.244	9.3	0.86	3.52	" "

COMMENTS:

SAMPLE COLLECTION TIME: 810

PREPARED BY: 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.)	31
Initial tubing depth (ft.) BTOC	28
Final tubing depth (ft.) BTOC	28
Initial pump speed	7
Time pump speed was initialized	735
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	800							
Actual Volume (ml)	2000							

Additional remarks:

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: PAW-3

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 78°F

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): 5.82 FT. | TIME: 1531

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.)
1630	0	23.70	6.46	56	0.469	17.9	0.95	6.41	clear, no odor
1635	500	23.98	6.46	41	0.473	14.6	0.61	6.41	pumping rate set @ 100 ml/min
1640	1000	24.00	6.47	40	0.471	10.9	0.60	6.41	" "
1645	1500	24.01	6.48	40	0.472	9.7	0.59	6.41	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1650

PREPARED BY: 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	8.7
Final tubing depth (ft.) BTOC	8.7
Initial pump speed	7
Time pump speed was initialized	1624
Pump speed at flow into cylinder →	7
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: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 79°F

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): 5.86 FT. | TIME: 1530

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.)
1537	0	27.96	6.52	109	0.414	78.9	0.91	6.65	Clear, no odor
1542	500	27.10	6.53	83	0.419	44.6	0.71	6.65	pumping rate set @ 100ml/min
1547	1000	26.85	6.52	74	0.421	31.2	0.67	6.65	" "
1552	1500	26.52	6.49	71	0.423	25.7	0.64	6.65	" "
1557	2000	26.12	6.59	60	0.425	20.2	0.62	6.65	" "
1602	2500	25.82	6.60	55	0.427	20.1	0.59	6.65	" "
1607	3000	25.55	6.48	58	0.427	18.4	0.58	6.65	" "
1612	3500	25.54	6.49	57	0.428	11.6	0.57	6.65	" "
1617	4000	25.52	6.50	56	0.429	8.4	0.57	6.65	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1620

PREPARED BY: 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.)	26
Initial tubing depth (ft.) BTOC	21.4
Final tubing depth (ft.) BTOC	21.4
Initial pump speed	7
Time pump speed was initialized	1532
Pump speed at flow into cylinder	7
Started new roll of tubing at	—

	Time	Time	Time	Time	Time	Time	Time	Time
2,000 mL volume poured into bucket	1557							
Actual Volume (ml)	2000							

Additional remarks: Well screen interval unknown.

ENVIRONMENTAL INTERNATIONAL CORPORATION
WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: RW-1

DATE: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 78°F

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): 5.36 FT. | TIME: 1716

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.)
1720	0	26.50	6.25	83	0.609	13.5	1.84	5.55	clear, no odor
1725	500	26.37	6.20	65	0.613	11.6	0.81	5.55	pumping rate set @ 100 ml/min
1730	1000	26.67	6.26	54	0.608	10.9	0.70	5.55	" "
1735	1500	26.67	6.25	52	0.609	9.8	0.60	5.55	" "
1740	2000	26.68	6.24	53	0.608	9.4	0.64	5.55	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1745

PREPARED BY: 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.)	26
Initial tubing depth (ft.) BTOC	23
Final tubing depth (ft.) BTOC	23
Initial pump speed	1
Time pump speed was initialized	1717
Pump speed at flow into cylinder	1
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: 5/15/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Partly Cloudy, 79°F

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

WELL DIAMETER (IN.) [ ] 1 [ ] 2 [ ] 4 [X] 6 [ ] OTHER | BGS WELL SCREEN INTERVAL: 20 FT. TO 30 FT.

HEIGHT OF STICK-UP: 2.05 FT. | BTOC WELL SCREEN INTERVAL: 22.80 FT. TO 32.80 FT.

TOTAL WELL DEPTH (BTOC): Reported 30.00 FT Measured 22.69 FT. | INITIAL WATER LEVEL (BTOC): 6.88 FT. | TIME: 1700

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.)

COMMENTS:

SAMPLE COLLECTION TIME: —

PREPARED BY: 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								
Actual Volume (ml)								

Additional remarks: Not sampled due to tree roots obstructing well screen.

ENVIRONMENTAL INTERNATIONAL CORPORATION

WELL PURGING AND SAMPLING DATA LOG

WELL/SAMPLE NO: RW-8

DATE: 5/17/18 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 76°F

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): 2.20 FT. | TIME: 1643

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.)
1655	0	28.73	6.64	51	1.16	22.8	1.35	2.20	Clear, no odor
1700	500	28.42	6.50	41	1.19	14.3	0.73	2.20	Pumping rate set @ 100 mL/min
1705	1000	28.40	6.48	35	1.20	12.6	0.56	2.20	" "
1710	1500	28.38	6.47	31	1.21	8.2	0.50	2.20	" "

COMMENTS:

SAMPLE COLLECTION TIME: 1715

PREPARED BY: 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.)	28
Initial tubing depth (ft.) BTOC	25
Final tubing depth (ft.) BTOC	25
Initial pump speed	7
Time pump speed was initialized	1650
Pump speed at flow into cylinder	7
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: 5-15-2018 | PROJECT NAME: McKenzie Tank Lines | PROJECT NO: 460009

WEATHER CONDITIONS: Cloudy, 75°F

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): 5.56 FT. | TIME: 1858

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.)
1918	0	25.09	6.68	7	0.392	64.8	2.93	5.57	Small particles resembling biofilm
1923	480	24.45	6.63	-5	0.400	31.9	1.58	5.56	
1928	820	23.48	6.59	-13	0.419	16.8	0.24	5.56	
1933	1180	23.30	6.51	-13	0.422	5.19	0.00	5.56	

COMMENTS:

SAMPLE COLLECTION TIME: 1937

PREPARED BY: CDJ

* 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	2.41
Time pump speed was initialized	1906
Pump speed at flow into cylinder	2.41
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: Orange-red ~~biofilm~~ gunk Thickness 0.12 ft

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 3-2 LABORATORY ANALYTICAL RESULTS FOR GROUNDWATER SAMPLES

MAY 2018

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

May 31, 2018

Alan Sanders
Environmental International Corp

161 Kimball Bridge Rd
Alpharetta GA 30009

RE: MTL

Dear Alan Sanders: Order No: 1805G43

Analytical Environmental Services, Inc. received 44 samples on 5/18/2018 1:45:00 PM 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:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, 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/ E. coli, effective 04/25/17-04/24/20.
-NELAP/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 11/01/19.
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

Work Order: 1805643

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

Date: 5/18/18 Page 1 of 4

COMPANY: EIC

ADDRESS: 161 Kimball Bridge Rd. Suite 100, Alpharetta GA

PHONE: 770-772-7100

EMAIL: SHELMLY@EICUSA.COM

SAMPLED BY: R.A., S.H., C.S.

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8260B

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): H+I	PRESERVATION (see codes): N	REMARKS	Number of Containers
1	G-17	5/16	9:25	X		GW	X			2
2	G-19	5/16	12:14							
3	G-22R	5/16	12:05							
4	MW-2D	5/15	18:35							
5	MW-2S	5/15	17:12							
6	MW-4S	5/17	13:23							
7	MW-11D	5/15	15:05							
8	MW-14D	5/16	15:50							
9	MW-15S	5/16	8:30							
10	MW-26	5/16	10:12							
11	MW-24	5/17	17:15							
12	MW-31	5/17	10:18							
13	MW-32	5/17	8:22							
14	MW-33	5/16	8:44							

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	5-18 13:43	1. Monique Andrews	5/18/18 1:45pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: MTL
PROJECT #: 450013
SITE ADDRESS:
SEND REPORT TO: ALAN SANDERS
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 28

Turnaround Time (TAT) Request
- [x] 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

Work Order: 1805G013

ANALYTICAL ENVIRONMENTAL SERVICES, INC.
3080 Presidential Drive Atlanta, GA 30340-3704
Phone: (770) 457-8177 / Toll-Free: (800) 972-4889 / Fax: (770) 457-8188

AES

CHAIN OF CUSTODY

Date: 5/18/18 Page 2 of 4

COMPANY: EIC

ADDRESS: #1

PHONE: same as page

EMAIL:

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED: 8260B, Mercury (Air)

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): H+I	PRESERVATION (see codes): N	REMARKS	Number of Containers
1	MW-35	5/16	10:11	X		GW	X			2
2	MW-36R	5/17	15:05							2
3	MW-37S	5/16	17:21					X		3
4	MW-38D	5/16	18:47					X		3
5	MW-39D	5/16	16:33					X		3
6	MW-40S	5/16	15:30					X		3
7	MW-41D	5/17	15:40							2
8	MW-42S	5/15	18:32							2
9	MW-43D	5/15	19:05							2
10	MW-44D	5/16	18:30							2
11	MW-45S	5/16	17:45							2
12	MW-46S	5/15	14:10							2
13	MW-47D	5/15	15:59							2
14	MW-48S	5/15	14:21							2

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	5-18 13:43	1. Monique Fabreau	5/18/18 1:45pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: MTL
PROJECT #: 460013
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 32

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

Work Order: 1805643

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

Date: 5/18/18 Page 3 of 4

COMPANY: EIC

ADDRESS: #1

PHONE: Same as page

EMAIL:

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED: 8260B, Metals (Air)

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): H+I	N	REMARKS	Number of Containers
1	MW-49D	5/17	12:45	X		GW	X			2
2	MW-50S	5/17	13:35							2
3	MW-51D	5/17	12:32							2
4	MW-52D	5/17	11:31					X		3
5	MW-53D	5/17	16:20							2
6	MW-54D	5/17	11:35							2
7	MW-55D	5/17	12:10							2
8	MW-56D	5/17	10:50							2
9	MW-57S	5/17	10:05					X		3
10	MW-58D	5/17	8:10							2
11	PAW-3	5/15	16:50							2
12	PAW-4	5/15	16:20							2
13	RW-1	5/15	17:45							2
14	~~RW-4~~ RW-8	5/17	17:15							2

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	5-18 13:43	1. Monique Alman	5/18/18 1:45pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier Greyhound
other: _____

PROJECT INFORMATION
PROJECT NAME: MTL
PROJECT #: 450013
SITE ADDRESS:
SEND REPORT TO:
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 30

Turnaround Time (TAT) Request
- [x] 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

Work Order: 1805G43

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

Date: 5/18/18 Page 4 of 4

COMPANY: EIC

ADDRESS:

Page #1

PHONE: same as

EMAIL:

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED: 8260B

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes) H2I	REMARKS	Number of Containers
1	RW-9	5-15	14:37	X		GW	X		2
2	Trip Blank	—	—			W			2
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	5-18 13:43	1. Monique Albrecht	5/18/18 1:45pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD

OUT: / / VIA:

IN: / / VIA:

client FedEx UPS US mail courier Greyhound

other: _____

PROJECT INFORMATION

PROJECT NAME: MTL

PROJECT #: 460013

SITE ADDRESS:

SEND REPORT TO: Alex Samy

INVOICE TO:
(IF DIFFERENT FROM ABOVE)

QUOTE #: _____ PO#: _____

RECEIPT

Total # of Containers: 4

Turnaround Time (TAT) Request

- [x] 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: 31-May-18

Client: Environmental International Corp
Project: MTL
Lab ID: 1805G43

Case Narrative

Argon (Ar) was requested on the Chain of Custody. Arsenic (As) was required per Stephen Helmly via email 5/21/2018 11:01am.

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, sample 1805G43-020A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc

Date: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-17
Project Name:	MTL	**Collection Date:**	5/16/2018 9:25:00 AM
Lab ID:	1805G43-001	**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	261224	1	05/22/2018 15:36	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 15:36	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 15:36	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 15:36	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 15:36	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 15:36	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 15:36	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 15:36	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 15:36	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/22/2018 15:36	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 15:36	OM
Ethylbenzene	0.51	J	0.26	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 15:36	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 15:36	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Methylcyclohexane	1.8	J	0.39	5.0	ug/L	261224	1	05/22/2018 15:36	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-17
Project Name:	MTL	**Collection Date:**	5/16/2018 9:25:00 AM
Lab ID:	1805G43-001	**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	261224	1	05/22/2018 15:36	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 15:36	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 15:36	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 15:36	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 15:36	OM
Surr: 4-Bromofluorobenzene	100		0	68-127	%REC	261224	1	05/22/2018 15:36	OM
Surr: Dibromofluoromethane	109		0	84.4-122	%REC	261224	1	05/22/2018 15:36	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261224	1	05/22/2018 15:36	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-19
Project Name:	MTL	**Collection Date:**	5/16/2018 12:14:00 PM
Lab ID:	1805G43-002	**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	261224	1	05/22/2018 16:00	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 16:00	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 16:00	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 16:00	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 16:00	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 16:00	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 16:00	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 16:00	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 16:00	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/22/2018 16:00	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 16:00	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 16:00	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:00	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:00	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-19
Project Name:	MTL	**Collection Date:**	5/16/2018 12:14:00 PM
Lab ID:	1805G43-002	**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	261224	1	05/22/2018 16:00	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:00	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 16:00	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 16:00	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 16:00	OM
Surr: 4-Bromofluorobenzene	96.4		0	68-127	%REC	261224	1	05/22/2018 16:00	OM
Surr: Dibromofluoromethane	109		0	84.4-122	%REC	261224	1	05/22/2018 16:00	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261224	1	05/22/2018 16:00	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-22R
Project Name:	MTL	**Collection Date:**	5/16/2018 12:05:00 PM
Lab ID:	1805G43-003	**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	261224	1	05/22/2018 16:23	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 16:23	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 16:23	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 16:23	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 16:23	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 16:23	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 16:23	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 16:23	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 16:23	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/22/2018 16:23	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 16:23	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 16:23	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 16:23	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:23	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	G-22R
Project Name:	MTL	**Collection Date:**	5/16/2018 12:05:00 PM
Lab ID:	1805G43-003	**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	261224	1	05/22/2018 16:23	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 16:23	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 16:23	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 16:23	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 16:23	OM
Surr: 4-Bromofluorobenzene	101		0	68-127	%REC	261224	1	05/22/2018 16:23	OM
Surr: Dibromofluoromethane	107		0	84.4-122	%REC	261224	1	05/22/2018 16:23	OM
Surr: Toluene-d8	106		0	80.1-116	%REC	261224	1	05/22/2018 16:23	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-2D
Project Name:	MTL	**Collection Date:**	5/15/2018 6:35:00 PM
Lab ID:	1805G43-004	**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	261224	1	05/22/2018 21:08	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,1-Dichloroethene	1.8	J	0.40	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 21:08	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 21:08	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 21:08	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 21:08	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 21:08	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 21:08	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 21:08	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 21:08	OM
cis-1,2-Dichloroethene	200		2.8	50	ug/L	261224	10	05/22/2018 21:32	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 21:08	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 21:08	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:08	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:08	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-2D
Project Name:	MTL	**Collection Date:**	5/15/2018 6:35:00 PM
Lab ID:	1805G43-004	**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	261224	1	05/22/2018 21:08	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Tetrachloroethene	4.6	J	0.46	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:08	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 21:08	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Trichloroethene	6.1		0.30	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 21:08	OM
Vinyl chloride	42		0.30	2.0	ug/L	261224	1	05/22/2018 21:08	OM
Surr: 4-Bromofluorobenzene	99.7		0	68-127	%REC	261224	10	05/22/2018 21:32	OM
Surr: 4-Bromofluorobenzene	102		0	68-127	%REC	261224	1	05/22/2018 21:08	OM
Surr: Dibromofluoromethane	118		0	84.4-122	%REC	261224	1	05/22/2018 21:08	OM
Surr: Dibromofluoromethane	120		0	84.4-122	%REC	261224	10	05/22/2018 21:32	OM
Surr: Toluene-d8	106		0	80.1-116	%REC	261224	1	05/22/2018 21:08	OM
Surr: Toluene-d8	109		0	80.1-116	%REC	261224	10	05/22/2018 21:32	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-2S
Project Name:	MTL	**Collection Date:**	5/15/2018 5:12:00 PM
Lab ID:	1805G43-005	**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	261224	1	05/22/2018 21:55	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 21:55	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 21:55	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 21:55	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 21:55	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 21:55	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 21:55	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 21:55	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 21:55	OM
cis-1,2-Dichloroethene	18		0.28	5.0	ug/L	261224	1	05/22/2018 21:55	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 21:55	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 21:55	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 21:55	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:55	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-2S
Project Name:	MTL	**Collection Date:**	5/15/2018 5:12:00 PM
Lab ID:	1805G43-005	**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	261224	1	05/22/2018 21:55	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 21:55	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 21:55	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 21:55	OM
Vinyl chloride	3.2		0.30	2.0	ug/L	261224	1	05/22/2018 21:55	OM
Surr: 4-Bromofluorobenzene	102		0	68-127	%REC	261224	1	05/22/2018 21:55	OM
Surr: Dibromofluoromethane	121		0	84.4-122	%REC	261224	1	05/22/2018 21:55	OM
Surr: Toluene-d8	107		0	80.1-116	%REC	261224	1	05/22/2018 21:55	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-4S
Project Name:	MTL	**Collection Date:**	5/17/2018 1:23:00 PM
Lab ID:	1805G43-006	**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	261224	1	05/30/2018 13:40	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,1-Dichloroethane	3.6	J	0.43	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,1-Dichloroethene	16		0.40	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/30/2018 13:40	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/30/2018 13:40	NP
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/30/2018 13:40	NP
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/30/2018 13:40	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/30/2018 13:40	NP
Acetone	BRL		3.6	50	ug/L	261224	1	05/30/2018 13:40	NP
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/30/2018 13:40	NP
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/30/2018 13:40	NP
cis-1,2-Dichloroethene	7300		28	500	ug/L	261224	100	05/25/2018 14:30	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/30/2018 13:40	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Freon-113	BRL		0.32	10	ug/L	261224	1	05/30/2018 13:40	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/30/2018 13:40	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Methyl tert-butyl ether	1.4	J	0.45	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/30/2018 13:40	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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-4S
Project Name:	MTL	**Collection Date:**	5/17/2018 1:23:00 PM
Lab ID:	1805G43-006	**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	261224	1	05/30/2018 13:40	NP
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/30/2018 13:40	NP
trans-1,2-Dichloroethene	38		0.30	5.0	ug/L	261224	1	05/30/2018 13:40	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/30/2018 13:40	NP
Vinyl chloride	150		0.30	2.0	ug/L	261224	1	05/30/2018 13:40	NP
Surr: 4-Bromofluorobenzene	90.7		0	68-127	%REC	261224	1	05/30/2018 13:40	NP
Surr: 4-Bromofluorobenzene	93.2		0	68-127	%REC	261224	100	05/25/2018 14:30	OM
Surr: Dibromofluoromethane	103		0	84.4-122	%REC	261224	1	05/30/2018 13:40	NP
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261224	100	05/25/2018 14:30	OM
Surr: Toluene-d8	102		0	80.1-116	%REC	261224	100	05/25/2018 14:30	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261224	1	05/30/2018 13:40	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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-11D
Project Name:	MTL	**Collection Date:**	5/15/2018 3:05:00 PM
Lab ID:	1805G43-007	**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	261224	1	05/22/2018 22:18	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 22:18	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 22:18	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 22:18	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 22:18	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 22:18	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 22:18	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 22:18	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 22:18	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/22/2018 22:18	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 22:18	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 22:18	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:18	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:18	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-11D
Project Name:	MTL	**Collection Date:**	5/15/2018 3:05:00 PM
Lab ID:	1805G43-007	**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	261224	1	05/22/2018 22:18	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:18	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 22:18	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 22:18	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 22:18	OM
Surr: 4-Bromofluorobenzene	100		0	68-127	%REC	261224	1	05/22/2018 22:18	OM
Surr: Dibromofluoromethane	121		0	84.4-122	%REC	261224	1	05/22/2018 22:18	OM
Surr: Toluene-d8	108		0	80.1-116	%REC	261224	1	05/22/2018 22:18	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-14D
Project Name:	MTL	**Collection Date:**	5/16/2018 3:50:00 PM
Lab ID:	1805G43-008	**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	261224	1	05/22/2018 22:42	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 22:42	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 22:42	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 22:42	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 22:42	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 22:42	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 22:42	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 22:42	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 22:42	OM
cis-1,2-Dichloroethene	9.4		0.28	5.0	ug/L	261224	1	05/22/2018 22:42	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 22:42	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 22:42	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 22:42	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-14D
Project Name:	MTL	**Collection Date:**	5/16/2018 3:50:00 PM
Lab ID:	1805G43-008	**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	261224	1	05/22/2018 22:42	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Tetrachloroethene	1.2	J	0.46	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 22:42	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 22:42	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Trichloroethene	6.4		0.30	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 22:42	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 22:42	OM
Surr: 4-Bromofluorobenzene	99.5		0	68-127	%REC	261224	1	05/22/2018 22:42	OM
Surr: Dibromofluoromethane	120		0	84.4-122	%REC	261224	1	05/22/2018 22:42	OM
Surr: Toluene-d8	106		0	80.1-116	%REC	261224	1	05/22/2018 22:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-15S
Project Name:	MTL	**Collection Date:**	5/16/2018 8:30:00 AM
Lab ID:	1805G43-009	**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	261224	1	05/25/2018 13:42	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/25/2018 13:42	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/25/2018 13:42	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/25/2018 13:42	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/25/2018 13:42	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/25/2018 13:42	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/25/2018 13:42	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/25/2018 13:42	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/25/2018 13:42	OM
cis-1,2-Dichloroethene	2.1	J	0.28	5.0	ug/L	261224	1	05/25/2018 13:42	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/25/2018 13:42	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/25/2018 13:42	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 13:42	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 13:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-15S
Project Name:	MTL	**Collection Date:**	5/16/2018 8:30:00 AM
Lab ID:	1805G43-009	**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	261224	1	05/25/2018 13:42	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 13:42	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/25/2018 13:42	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/25/2018 13:42	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/25/2018 13:42	OM
Surr: 4-Bromofluorobenzene	91.2		0	68-127	%REC	261224	1	05/25/2018 13:42	OM
Surr: Dibromofluoromethane	106		0	84.4-122	%REC	261224	1	05/25/2018 13:42	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261224	1	05/25/2018 13:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-26
Project Name:	MTL	**Collection Date:**	5/16/2018 10:12:00 AM
Lab ID:	1805G43-010	**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	261224	1	05/22/2018 23:29	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 23:29	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/22/2018 23:29	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/22/2018 23:29	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/22/2018 23:29	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/22/2018 23:29	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/22/2018 23:29	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/22/2018 23:29	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/22/2018 23:29	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/22/2018 23:29	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/22/2018 23:29	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/22/2018 23:29	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/22/2018 23:29	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 23:29	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-26
Project Name:	MTL	**Collection Date:**	5/16/2018 10:12:00 AM
Lab ID:	1805G43-010	**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	261224	1	05/22/2018 23:29	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/22/2018 23:29	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 23:29	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/22/2018 23:29	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/22/2018 23:29	OM
Surr: 4-Bromofluorobenzene	98.8		0	68-127	%REC	261224	1	05/22/2018 23:29	OM
Surr: Dibromofluoromethane	121		0	84.4-122	%REC	261224	1	05/22/2018 23:29	OM
Surr: Toluene-d8	109		0	80.1-116	%REC	261224	1	05/22/2018 23:29	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-24
Project Name:	MTL	**Collection Date:**	5/17/2018 5:15:00 PM
Lab ID:	1805G43-011	**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	261224	1	05/25/2018 14:06	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/25/2018 14:06	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/25/2018 14:06	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/25/2018 14:06	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/25/2018 14:06	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/25/2018 14:06	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/25/2018 14:06	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/25/2018 14:06	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/25/2018 14:06	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/25/2018 14:06	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/25/2018 14:06	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/25/2018 14:06	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/25/2018 14:06	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 14:06	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-24
Project Name:	MTL	**Collection Date:**	5/17/2018 5:15:00 PM
Lab ID:	1805G43-011	**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	261224	1	05/25/2018 14:06	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/25/2018 14:06	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/25/2018 14:06	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/25/2018 14:06	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/25/2018 14:06	OM
Surr: 4-Bromofluorobenzene	95		0	68-127	%REC	261224	1	05/25/2018 14:06	OM
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261224	1	05/25/2018 14:06	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261224	1	05/25/2018 14:06	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-31
Project Name:	MTL	**Collection Date:**	5/17/2018 10:18:00 AM
Lab ID:	1805G43-012	**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	261224	1	05/23/2018 14:40	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 14:40	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 14:40	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 14:40	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 14:40	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 14:40	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 14:40	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 14:40	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 14:40	OM
cis-1,2-Dichloroethene	30		0.28	5.0	ug/L	261224	1	05/23/2018 14:40	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 14:40	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 14:40	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:40	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:40	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-31
Project Name:	MTL	**Collection Date:**	5/17/2018 10:18:00 AM
Lab ID:	1805G43-012	**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	261224	1	05/23/2018 14:40	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Tetrachloroethene	7.1		0.46	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:40	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 14:40	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Trichloroethene	12		0.30	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 14:40	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 14:40	OM
Surr: 4-Bromofluorobenzene	92		0	68-127	%REC	261224	1	05/23/2018 14:40	OM
Surr: Dibromofluoromethane	105		0	84.4-122	%REC	261224	1	05/23/2018 14:40	OM
Surr: Toluene-d8	101		0	80.1-116	%REC	261224	1	05/23/2018 14:40	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-32
Project Name:	MTL	**Collection Date:**	5/17/2018 8:22:00 AM
Lab ID:	1805G43-013	**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	261224	1	05/23/2018 15:04	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 15:04	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 15:04	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 15:04	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 15:04	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 15:04	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 15:04	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 15:04	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 15:04	OM
cis-1,2-Dichloroethene	46		0.28	5.0	ug/L	261224	1	05/23/2018 15:04	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 15:04	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 15:04	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 15:04	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 15:04	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-32
Project Name:	MTL	**Collection Date:**	5/17/2018 8:22:00 AM
Lab ID:	1805G43-013	**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	261224	1	05/23/2018 15:04	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Tetrachloroethene	15		0.46	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 15:04	OM
trans-1,2-Dichloroethene	1.6	J	0.30	5.0	ug/L	261224	1	05/23/2018 15:04	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Trichloroethene	9.5		0.30	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 15:04	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 15:04	OM
Surr: 4-Bromofluorobenzene	91.7		0	68-127	%REC	261224	1	05/23/2018 15:04	OM
Surr: Dibromofluoromethane	103		0	84.4-122	%REC	261224	1	05/23/2018 15:04	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261224	1	05/23/2018 15:04	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-33
Project Name:	MTL	**Collection Date:**	5/16/2018 8:44:00 AM
Lab ID:	1805G43-014	**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	261224	1	05/23/2018 00:40	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 00:40	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 00:40	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 00:40	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 00:40	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 00:40	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 00:40	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 00:40	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 00:40	OM
cis-1,2-Dichloroethene	87		0.28	5.0	ug/L	261224	1	05/23/2018 00:40	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 00:40	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 00:40	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 00:40	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 00:40	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-33
Project Name:	MTL	**Collection Date:**	5/16/2018 8:44:00 AM
Lab ID:	1805G43-014	**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	261224	1	05/23/2018 00:40	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 00:40	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 00:40	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 00:40	OM
Vinyl chloride	27		0.30	2.0	ug/L	261224	1	05/23/2018 00:40	OM
Surr: 4-Bromofluorobenzene	100		0	68-127	%REC	261224	1	05/23/2018 00:40	OM
Surr: Dibromofluoromethane	120		0	84.4-122	%REC	261224	1	05/23/2018 00:40	OM
Surr: Toluene-d8	107		0	80.1-116	%REC	261224	1	05/23/2018 00:40	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-35
Project Name:	MTL	**Collection Date:**	5/16/2018 10:11:00 AM
Lab ID:	1805G43-015	**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	261224	1	05/23/2018 11:47	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 11:47	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 11:47	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 11:47	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 11:47	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 11:47	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 11:47	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 11:47	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 11:47	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/23/2018 11:47	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 11:47	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 11:47	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:47	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:47	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-35
Project Name:	MTL	**Collection Date:**	5/16/2018 10:11:00 AM
Lab ID:	1805G43-015	**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	261224	1	05/23/2018 11:47	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:47	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 11:47	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 11:47	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 11:47	OM
Surr: 4-Bromofluorobenzene	96.2		0	68-127	%REC	261224	1	05/23/2018 11:47	OM
Surr: Dibromofluoromethane	99.3		0	84.4-122	%REC	261224	1	05/23/2018 11:47	OM
Surr: Toluene-d8	100		0	80.1-116	%REC	261224	1	05/23/2018 11:47	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-36R
Project Name:	MTL	**Collection Date:**	5/17/2018 3:05:00 PM
Lab ID:	1805G43-016	**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	261224	1	05/23/2018 14:16	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 14:16	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 14:16	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 14:16	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 14:16	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 14:16	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 14:16	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 14:16	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 14:16	OM
cis-1,2-Dichloroethene	1.6	J	0.28	5.0	ug/L	261224	1	05/23/2018 14:16	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 14:16	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 14:16	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 14:16	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:16	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-36R
Project Name:	MTL	**Collection Date:**	5/17/2018 3:05:00 PM
Lab ID:	1805G43-016	**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	261224	1	05/23/2018 14:16	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 14:16	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 14:16	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 14:16	OM
Vinyl chloride	21		0.30	2.0	ug/L	261224	1	05/23/2018 14:16	OM
Surr: 4-Bromofluorobenzene	96		0	68-127	%REC	261224	1	05/23/2018 14:16	OM
Surr: Dibromofluoromethane	99.5		0	84.4-122	%REC	261224	1	05/23/2018 14:16	OM
Surr: Toluene-d8	101		0	80.1-116	%REC	261224	1	05/23/2018 14:16	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-37S
Project Name:	MTL	**Collection Date:**	5/16/2018 5:21:00 PM
Lab ID:	1805G43-017	**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	261224	1	05/23/2018 13:49	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 13:49	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 13:49	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 13:49	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 13:49	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 13:49	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 13:49	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 13:49	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 13:49	OM
cis-1,2-Dichloroethene	11		0.28	5.0	ug/L	261224	1	05/23/2018 13:49	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 13:49	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 13:49	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:49	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:49	OM

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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-37S
Project Name:	MTL	**Collection Date:**	5/16/2018 5:21:00 PM
Lab ID:	1805G43-017	**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	261224	1	05/23/2018 13:49	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Tetrachloroethene	1.9	J	0.46	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:49	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 13:49	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Trichloroethene	1.9	J	0.30	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 13:49	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 13:49	OM
Surr: 4-Bromofluorobenzene	91.7		0	68-127	%REC	261224	1	05/23/2018 13:49	OM
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261224	1	05/23/2018 13:49	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261224	1	05/23/2018 13:49	OM
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	0.0077	J	0.0072	0.0500	mg/L	261339	1	05/25/2018 14:28	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-38D
Project Name:	MTL	**Collection Date:**	5/16/2018 6:47:00 PM
Lab ID:	1805G43-018	**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	261224	1	05/23/2018 13:00	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 13:00	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 13:00	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 13:00	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 13:00	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 13:00	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 13:00	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 13:00	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 13:00	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261224	1	05/23/2018 13:00	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 13:00	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 13:00	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 13:00	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:00	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-38D
Project Name:	MTL	**Collection Date:**	5/16/2018 6:47:00 PM
Lab ID:	1805G43-018	**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	261224	1	05/23/2018 13:00	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 13:00	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 13:00	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 13:00	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 13:00	OM
Surr: 4-Bromofluorobenzene	91.3		0	68-127	%REC	261224	1	05/23/2018 13:00	OM
Surr: Dibromofluoromethane	103		0	84.4-122	%REC	261224	1	05/23/2018 13:00	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261224	1	05/23/2018 13:00	OM
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	0.0131	J	0.0072	0.0500	mg/L	261339	1	05/25/2018 14:48	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-39D
Project Name:	MTL	**Collection Date:**	5/16/2018 4:33:00 PM
Lab ID:	1805G43-019	**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	261224	1	05/23/2018 11:23	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 11:23	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261224	1	05/23/2018 11:23	OM
2-Butanone	BRL		2.5	50	ug/L	261224	1	05/23/2018 11:23	OM
2-Hexanone	BRL		0.67	10	ug/L	261224	1	05/23/2018 11:23	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261224	1	05/23/2018 11:23	OM
Acetone	BRL		3.6	50	ug/L	261224	1	05/23/2018 11:23	OM
Benzene	BRL		0.37	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Bromoform	BRL		0.19	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Bromomethane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Chloroethane	BRL		0.31	10	ug/L	261224	1	05/23/2018 11:23	OM
Chloroform	BRL		0.20	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Chloromethane	BRL		0.21	10	ug/L	261224	1	05/23/2018 11:23	OM
cis-1,2-Dichloroethene	46		0.28	5.0	ug/L	261224	1	05/23/2018 11:23	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261224	1	05/23/2018 11:23	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Freon-113	BRL		0.32	10	ug/L	261224	1	05/23/2018 11:23	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261224	1	05/23/2018 11:23	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:23	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-39D
Project Name:	MTL	**Collection Date:**	5/16/2018 4:33:00 PM
Lab ID:	1805G43-019	**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	261224	1	05/23/2018 11:23	OM
o-Xylene	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Styrene	BRL		0.15	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Tetrachloroethene	1.5	J	0.46	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Toluene	BRL		0.39	5.0	ug/L	261224	1	05/23/2018 11:23	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261224	1	05/23/2018 11:23	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Trichloroethene	9.7		0.30	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261224	1	05/23/2018 11:23	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261224	1	05/23/2018 11:23	OM
Surr: 4-Bromofluorobenzene	98.4		0	68-127	%REC	261224	1	05/23/2018 11:23	OM
Surr: Dibromofluoromethane	100		0	84.4-122	%REC	261224	1	05/23/2018 11:23	OM
Surr: Toluene-d8	99.8		0	80.1-116	%REC	261224	1	05/23/2018 11:23	OM
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	BRL		0.0072	0.0500	mg/L	261339	1	05/25/2018 14:51	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-40S
Project Name:	MTL	**Collection Date:**	5/16/2018 4:30:00 PM
Lab ID:	1805G43-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**					
1,1,1-Trichloroethane	BRL		15	250	ug/L	261224	50	05/25/2018 19:45	OM
1,1,2,2-Tetrachloroethane	BRL		17	250	ug/L	261224	50	05/25/2018 19:45	OM
1,1,2-Trichloroethane	BRL		22	250	ug/L	261224	50	05/25/2018 19:45	OM
1,1-Dichloroethane	BRL		21	250	ug/L	261224	50	05/25/2018 19:45	OM
1,1-Dichloroethene	BRL		20	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2,4-Trichlorobenzene	BRL		20	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2-Dibromo-3-chloropropane	BRL		34	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2-Dibromoethane	BRL		29	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2-Dichlorobenzene	BRL		22	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2-Dichloroethane	BRL		19	250	ug/L	261224	50	05/25/2018 19:45	OM
1,2-Dichloropropane	BRL		17	250	ug/L	261224	50	05/25/2018 19:45	OM
1,3-Dichlorobenzene	BRL		15	250	ug/L	261224	50	05/25/2018 19:45	OM
1,4-Dichlorobenzene	BRL		16	250	ug/L	261224	50	05/25/2018 19:45	OM
2-Butanone	BRL		130	2500	ug/L	261224	50	05/25/2018 19:45	OM
2-Hexanone	BRL		34	500	ug/L	261224	50	05/25/2018 19:45	OM
4-Methyl-2-pentanone	BRL		22	500	ug/L	261224	50	05/25/2018 19:45	OM
Acetone	BRL		180	2500	ug/L	261224	50	05/25/2018 19:45	OM
Benzene	BRL		19	250	ug/L	261224	50	05/25/2018 19:45	OM
Bromodichloromethane	BRL		12	250	ug/L	261224	50	05/25/2018 19:45	OM
Bromoform	BRL		9.7	250	ug/L	261224	50	05/25/2018 19:45	OM
Bromomethane	BRL		19	250	ug/L	261224	50	05/25/2018 19:45	OM
Carbon disulfide	BRL		37	250	ug/L	261224	50	05/25/2018 19:45	OM
Carbon tetrachloride	BRL		15	250	ug/L	261224	50	05/25/2018 19:45	OM
Chlorobenzene	BRL		21	250	ug/L	261224	50	05/25/2018 19:45	OM
Chloroethane	BRL		15	500	ug/L	261224	50	05/25/2018 19:45	OM
Chloroform	BRL		9.9	250	ug/L	261224	50	05/25/2018 19:45	OM
Chloromethane	BRL		11	500	ug/L	261224	50	05/25/2018 19:45	OM
cis-1,2-Dichloroethene	12000		140	2500	ug/L	261224	500	05/25/2018 20:09	OM
cis-1,3-Dichloropropene	BRL		15	250	ug/L	261224	50	05/25/2018 19:45	OM
Cyclohexane	BRL		52	250	ug/L	261224	50	05/25/2018 19:45	OM
Dibromochloromethane	BRL		22	250	ug/L	261224	50	05/25/2018 19:45	OM
Dichlorodifluoromethane	BRL		7.5	500	ug/L	261224	50	05/25/2018 19:45	OM
Ethylbenzene	BRL		13	250	ug/L	261224	50	05/25/2018 19:45	OM
Freon-113	BRL		16	500	ug/L	261224	50	05/25/2018 19:45	OM
Isopropylbenzene	BRL		21	250	ug/L	261224	50	05/25/2018 19:45	OM
m,p-Xylene	BRL		30	250	ug/L	261224	50	05/25/2018 19:45	OM
Methyl acetate	BRL		21	250	ug/L	261224	50	05/25/2018 19:45	OM
Methyl tert-butyl ether	BRL		22	250	ug/L	261224	50	05/25/2018 19:45	OM
Methylcyclohexane	BRL		20	250	ug/L	261224	50	05/25/2018 19:45	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-40S
Project Name:	MTL	**Collection Date:**	5/16/2018 4:30:00 PM
Lab ID:	1805G43-020	**Matrix:**	Groundwater

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5030B)**				
Methylene chloride	BRL		59	250	ug/L	261224	50	05/25/2018 19:45	OM
o-Xylene	BRL		8.9	250	ug/L	261224	50	05/25/2018 19:45	OM
Styrene	BRL		7.7	250	ug/L	261224	50	05/25/2018 19:45	OM
Tetrachloroethene	120		23	100	ug/L	261224	50	05/25/2018 19:45	OM
Toluene	BRL		20	250	ug/L	261224	50	05/25/2018 19:45	OM
trans-1,2-Dichloroethene	BRL		15	250	ug/L	261224	50	05/25/2018 19:45	OM
trans-1,3-Dichloropropene	BRL		16	250	ug/L	261224	50	05/25/2018 19:45	OM
Trichloroethene	1600		15	250	ug/L	261224	50	05/25/2018 19:45	OM
Trichlorofluoromethane	BRL		9.0	250	ug/L	261224	50	05/25/2018 19:45	OM
Vinyl chloride	59	J	15	100	ug/L	261224	50	05/25/2018 19:45	OM
Surr: 4-Bromofluorobenzene	91.1		0	68-127	%REC	261224	500	05/25/2018 20:09	OM
Surr: 4-Bromofluorobenzene	93.4		0	68-127	%REC	261224	50	05/25/2018 19:45	OM
Surr: Dibromofluoromethane	108		0	84.4-122	%REC	261224	50	05/25/2018 19:45	OM
Surr: Dibromofluoromethane	106		0	84.4-122	%REC	261224	500	05/25/2018 20:09	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261224	50	05/25/2018 19:45	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261224	500	05/25/2018 20:09	OM
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	0.0102	J	0.0072	0.0500	mg/L	261339	1	05/25/2018 14:55	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-41D
Project Name:	MTL	**Collection Date:**	5/17/2018 3:40:00 PM
Lab ID:	1805G43-021	**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	261413	1	05/24/2018 19:06	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:06	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/24/2018 19:06	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/24/2018 19:06	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/24/2018 19:06	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/24/2018 19:06	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/24/2018 19:06	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/24/2018 19:06	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/24/2018 19:06	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261413	1	05/24/2018 19:06	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/24/2018 19:06	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/24/2018 19:06	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:06	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:06	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-41D
Project Name:	MTL	**Collection Date:**	5/17/2018 3:40:00 PM
Lab ID:	1805G43-021	**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	261413	1	05/24/2018 19:06	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:06	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:06	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:06	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/24/2018 19:06	OM
Surr: 4-Bromofluorobenzene	92		0	68-127	%REC	261413	1	05/24/2018 19:06	OM
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261413	1	05/24/2018 19:06	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261413	1	05/24/2018 19:06	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-42S
Project Name:	MTL	**Collection Date:**	5/15/2018 6:32:00 PM
Lab ID:	1805G43-022	**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	261413	1	05/24/2018 19:30	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:30	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/24/2018 19:30	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/24/2018 19:30	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/24/2018 19:30	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/24/2018 19:30	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/24/2018 19:30	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/24/2018 19:30	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/24/2018 19:30	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261413	1	05/24/2018 19:30	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/24/2018 19:30	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/24/2018 19:30	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:30	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:30	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-42S
Project Name:	MTL	**Collection Date:**	5/15/2018 6:32:00 PM
Lab ID:	1805G43-022	**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	261413	1	05/24/2018 19:30	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:30	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:30	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:30	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/24/2018 19:30	OM
Surr: 4-Bromofluorobenzene	96		0	68-127	%REC	261413	1	05/24/2018 19:30	OM
Surr: Dibromofluoromethane	103		0	84.4-122	%REC	261413	1	05/24/2018 19:30	OM
Surr: Toluene-d8	102		0	80.1-116	%REC	261413	1	05/24/2018 19:30	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-43D
Project Name:	MTL	**Collection Date:**	5/15/2018 7:05:00 PM
Lab ID:	1805G43-023	**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	261413	1	05/24/2018 19:54	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:54	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/24/2018 19:54	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/24/2018 19:54	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/24/2018 19:54	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/24/2018 19:54	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/24/2018 19:54	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/24/2018 19:54	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/24/2018 19:54	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261413	1	05/24/2018 19:54	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/24/2018 19:54	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/24/2018 19:54	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 19:54	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:54	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-43D
Project Name:	MTL	**Collection Date:**	5/15/2018 7:05:00 PM
Lab ID:	1805G43-023	**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	261413	1	05/24/2018 19:54	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 19:54	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:54	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 19:54	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/24/2018 19:54	OM
Surr: 4-Bromofluorobenzene	90.9		0	68-127	%REC	261413	1	05/24/2018 19:54	OM
Surr: Dibromofluoromethane	102		0	84.4-122	%REC	261413	1	05/24/2018 19:54	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261413	1	05/24/2018 19:54	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-44D
Project Name:	MTL	**Collection Date:**	5/16/2018 6:30:00 PM
Lab ID:	1805G43-024	**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	261413	1	05/24/2018 20:19	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 20:19	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/24/2018 20:19	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/24/2018 20:19	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/24/2018 20:19	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/24/2018 20:19	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/24/2018 20:19	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/24/2018 20:19	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/24/2018 20:19	OM
cis-1,2-Dichloroethene	18		0.28	5.0	ug/L	261413	1	05/24/2018 20:19	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/24/2018 20:19	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/24/2018 20:19	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:19	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:19	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-44D
Project Name:	MTL	**Collection Date:**	5/16/2018 6:30:00 PM
Lab ID:	1805G43-024	**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	261413	1	05/24/2018 20:19	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:19	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 20:19	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Trichloroethene	9.8		0.30	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 20:19	OM
Vinyl chloride	1.2	J	0.30	2.0	ug/L	261413	1	05/24/2018 20:19	OM
Surr: 4-Bromofluorobenzene	93.4		0	68-127	%REC	261413	1	05/24/2018 20:19	OM
Surr: Dibromofluoromethane	105		0	84.4-122	%REC	261413	1	05/24/2018 20:19	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261413	1	05/24/2018 20:19	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-45S
Project Name:	MTL	**Collection Date:**	5/16/2018 5:45:00 PM
Lab ID:	1805G43-025	**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	261413	1	05/24/2018 20:42	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 20:42	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/24/2018 20:42	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/24/2018 20:42	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/24/2018 20:42	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/24/2018 20:42	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/24/2018 20:42	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/24/2018 20:42	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/24/2018 20:42	OM
cis-1,2-Dichloroethene	2.7	J	0.28	5.0	ug/L	261413	1	05/24/2018 20:42	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/24/2018 20:42	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/24/2018 20:42	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/24/2018 20:42	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-45S
Project Name:	MTL	**Collection Date:**	5/16/2018 5:45:00 PM
Lab ID:	1805G43-025	**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	261413	1	05/24/2018 20:42	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/24/2018 20:42	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 20:42	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/24/2018 20:42	OM
Vinyl chloride	0.93	J	0.30	2.0	ug/L	261413	1	05/24/2018 20:42	OM
Surr: 4-Bromofluorobenzene	90.9		0	68-127	%REC	261413	1	05/24/2018 20:42	OM
Surr: Dibromofluoromethane	102		0	84.4-122	%REC	261413	1	05/24/2018 20:42	OM
Surr: Toluene-d8	102		0	80.1-116	%REC	261413	1	05/24/2018 20:42	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-46S
Project Name:	MTL	**Collection Date:**	5/15/2018 2:10:00 PM
Lab ID:	1805G43-026	**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	261413	1	05/25/2018 12:53	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:53	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 12:53	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 12:53	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 12:53	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 12:53	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 12:53	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 12:53	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 12:53	OM
cis-1,2-Dichloroethene	6.4		0.28	5.0	ug/L	261413	1	05/25/2018 12:53	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 12:53	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 12:53	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:53	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:53	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-46S
Project Name:	MTL	**Collection Date:**	5/15/2018 2:10:00 PM
Lab ID:	1805G43-026	**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	261413	1	05/25/2018 12:53	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:53	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 12:53	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:53	OM
Vinyl chloride	9.6		0.30	2.0	ug/L	261413	1	05/25/2018 12:53	OM
Surr: 4-Bromofluorobenzene	90.9		0	68-127	%REC	261413	1	05/25/2018 12:53	OM
Surr: Dibromofluoromethane	101		0	84.4-122	%REC	261413	1	05/25/2018 12:53	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261413	1	05/25/2018 12:53	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-47D
Project Name:	MTL	**Collection Date:**	5/15/2018 3:59:00 PM
Lab ID:	1805G43-027	**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	261413	1	05/25/2018 13:18	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 13:18	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 13:18	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 13:18	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 13:18	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 13:18	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 13:18	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 13:18	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 13:18	OM
cis-1,2-Dichloroethene	49		0.28	5.0	ug/L	261413	1	05/25/2018 13:18	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 13:18	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 13:18	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:18	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:18	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-47D
Project Name:	MTL	**Collection Date:**	5/15/2018 3:59:00 PM
Lab ID:	1805G43-027	**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	261413	1	05/25/2018 13:18	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Tetrachloroethene	5.0	J	0.46	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:18	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 13:18	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Trichloroethene	14		0.30	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 13:18	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 13:18	OM
Surr: 4-Bromofluorobenzene	96		0	68-127	%REC	261413	1	05/25/2018 13:18	OM
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261413	1	05/25/2018 13:18	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261413	1	05/25/2018 13:18	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-48S
Project Name:	MTL	**Collection Date:**	5/15/2018 2:21:00 PM
Lab ID:	1805G43-028	**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	261413	1	05/25/2018 14:54	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:54	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 14:54	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 14:54	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 14:54	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 14:54	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 14:54	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 14:54	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 14:54	OM
cis-1,2-Dichloroethene	2.1	J	0.28	5.0	ug/L	261413	1	05/25/2018 14:54	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 14:54	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 14:54	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:54	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:54	OM

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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-48S
Project Name:	MTL	**Collection Date:**	5/15/2018 2:21:00 PM
Lab ID:	1805G43-028	**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	261413	1	05/25/2018 14:54	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:54	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:54	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:54	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 14:54	OM
Surr: 4-Bromofluorobenzene	90.4		0	68-127	%REC	261413	1	05/25/2018 14:54	OM
Surr: Dibromofluoromethane	105		0	84.4-122	%REC	261413	1	05/25/2018 14:54	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261413	1	05/25/2018 14:54	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-49D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:45:00 PM
Lab ID:	1805G43-029	**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	261413	1	05/25/2018 15:43	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,1-Dichloroethane	1.4	J	0.43	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,1-Dichloroethene	6.3		0.40	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 15:43	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 15:43	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 15:43	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 15:43	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 15:43	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 15:43	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 15:43	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 15:43	OM
cis-1,2-Dichloroethene	2000		28	500	ug/L	261413	100	05/25/2018 21:22	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 15:43	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 15:43	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 15:43	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 15:43	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-49D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:45:00 PM
Lab ID:	1805G43-029	**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	261413	1	05/25/2018 15:43	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 15:43	OM
trans-1,2-Dichloroethene	11		0.30	5.0	ug/L	261413	1	05/25/2018 15:43	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 15:43	OM
Vinyl chloride	150		0.30	2.0	ug/L	261413	1	05/25/2018 15:43	OM
Surr: 4-Bromofluorobenzene	91		0	68-127	%REC	261413	1	05/25/2018 15:43	OM
Surr: 4-Bromofluorobenzene	94.4		0	68-127	%REC	261413	100	05/25/2018 21:22	OM
Surr: Dibromofluoromethane	104		0	84.4-122	%REC	261413	100	05/25/2018 21:22	OM
Surr: Dibromofluoromethane	109		0	84.4-122	%REC	261413	1	05/25/2018 15:43	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261413	1	05/25/2018 15:43	OM
Surr: Toluene-d8	106		0	80.1-116	%REC	261413	100	05/25/2018 21:22	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-50S
Project Name:	MTL	**Collection Date:**	5/17/2018 1:35:00 PM
Lab ID:	1805G43-030	**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	261413	1	05/30/2018 05:11	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,1-Dichloroethane	5.9		0.43	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,1-Dichloroethene	13		0.40	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/30/2018 05:11	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/30/2018 05:11	NP
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/30/2018 05:11	NP
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/30/2018 05:11	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/30/2018 05:11	NP
Acetone	BRL		3.6	50	ug/L	261413	1	05/30/2018 05:11	NP
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/30/2018 05:11	NP
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/30/2018 05:11	NP
cis-1,2-Dichloroethene	6800		28	500	ug/L	261413	100	05/29/2018 17:01	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/30/2018 05:11	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Freon-113	BRL		0.32	10	ug/L	261413	1	05/30/2018 05:11	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/30/2018 05:11	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/30/2018 05:11	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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-50S
Project Name:	MTL	**Collection Date:**	5/17/2018 1:35:00 PM
Lab ID:	1805G43-030	**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	261413	1	05/30/2018 05:11	NP
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Tetrachloroethene	400		46	200	ug/L	261413	100	05/29/2018 17:01	NP
Toluene	2.2	J	0.39	5.0	ug/L	261413	1	05/30/2018 05:11	NP
trans-1,2-Dichloroethene	77		0.30	5.0	ug/L	261413	1	05/30/2018 05:11	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Trichloroethene	3100		30	500	ug/L	261413	100	05/29/2018 17:01	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/30/2018 05:11	NP
Vinyl chloride	170		0.30	2.0	ug/L	261413	1	05/30/2018 05:11	NP
Surr: 4-Bromofluorobenzene	92.2		0	68-127	%REC	261413	100	05/29/2018 17:01	NP
Surr: 4-Bromofluorobenzene	94.2		0	68-127	%REC	261413	1	05/30/2018 05:11	NP
Surr: Dibromofluoromethane	96.8		0	84.4-122	%REC	261413	100	05/29/2018 17:01	NP
Surr: Dibromofluoromethane	101		0	84.4-122	%REC	261413	1	05/30/2018 05:11	NP
Surr: Toluene-d8	107		0	80.1-116	%REC	261413	1	05/30/2018 05:11	NP
Surr: Toluene-d8	108		0	80.1-116	%REC	261413	100	05/29/2018 17:01	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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-51D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:32:00 PM
Lab ID:	1805G43-031	**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	261413	1	05/25/2018 20:33	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,1-Dichloroethane	0.93	J	0.43	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,1-Dichloroethene	3.8	J	0.40	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 20:33	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 20:33	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 20:33	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 20:33	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 20:33	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 20:33	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 20:33	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 20:33	OM
cis-1,2-Dichloroethene	840		14	250	ug/L	261413	50	05/25/2018 20:58	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 20:33	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 20:33	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 20:33	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 20:33	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-51D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:32:00 PM
Lab ID:	1805G43-031	**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	261413	1	05/25/2018 20:33	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 20:33	OM
trans-1,2-Dichloroethene	1.8	J	0.30	5.0	ug/L	261413	1	05/25/2018 20:33	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 20:33	OM
Vinyl chloride	450		15	100	ug/L	261413	50	05/25/2018 20:58	OM
Surr: 4-Bromofluorobenzene	97.3		0	68-127	%REC	261413	50	05/25/2018 20:58	OM
Surr: 4-Bromofluorobenzene	90.1		0	68-127	%REC	261413	1	05/25/2018 20:33	OM
Surr: Dibromofluoromethane	102		0	84.4-122	%REC	261413	50	05/25/2018 20:58	OM
Surr: Dibromofluoromethane	105		0	84.4-122	%REC	261413	1	05/25/2018 20:33	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261413	50	05/25/2018 20:58	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261413	1	05/25/2018 20:33	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-52D
Project Name:	MTL	**Collection Date:**	5/17/2018 11:31:00 AM
Lab ID:	1805G43-032	**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	261413	1	05/25/2018 14:04	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:04	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 14:04	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 14:04	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 14:04	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 14:04	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 14:04	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 14:04	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 14:04	CC
cis-1,2-Dichloroethene	6.5		0.28	5.0	ug/L	261413	1	05/25/2018 14:04	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 14:04	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 14:04	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:04	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:04	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-52D
Project Name:	MTL	**Collection Date:**	5/17/2018 11:31:00 AM
Lab ID:	1805G43-032	**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	261413	1	05/25/2018 14:04	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:04	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:04	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:04	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 14:04	CC
Surr: 4-Bromofluorobenzene	86		0	68-127	%REC	261413	1	05/25/2018 14:04	CC
Surr: Dibromofluoromethane	118		0	84.4-122	%REC	261413	1	05/25/2018 14:04	CC
Surr: Toluene-d8	99.2		0	80.1-116	%REC	261413	1	05/25/2018 14:04	CC
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	BRL		0.0072	0.0500	mg/L	261339	1	05/25/2018 15:06	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-53D
Project Name:	MTL	**Collection Date:**	5/17/2018 4:20:00 PM
Lab ID:	1805G43-033	**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	261413	1	05/25/2018 16:56	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,1-Dichloroethane	1.5	J	0.43	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,1-Dichloroethene	2.8	J	0.40	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:56	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 16:56	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 16:56	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 16:56	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 16:56	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 16:56	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 16:56	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 16:56	OM
cis-1,2-Dichloroethene	510		2.8	50	ug/L	261413	10	05/25/2018 17:20	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 16:56	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 16:56	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:56	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:56	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-53D
Project Name:	MTL	**Collection Date:**	5/17/2018 4:20:00 PM
Lab ID:	1805G43-033	**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	261413	1	05/25/2018 16:56	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:56	OM
trans-1,2-Dichloroethene	1.4	J	0.30	5.0	ug/L	261413	1	05/25/2018 16:56	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:56	OM
Vinyl chloride	260		3.0	20	ug/L	261413	10	05/25/2018 17:20	OM
Surr: 4-Bromofluorobenzene	91.5		0	68-127	%REC	261413	10	05/25/2018 17:20	OM
Surr: 4-Bromofluorobenzene	93.6		0	68-127	%REC	261413	1	05/25/2018 16:56	OM
Surr: Dibromofluoromethane	108		0	84.4-122	%REC	261413	1	05/25/2018 16:56	OM
Surr: Dibromofluoromethane	108		0	84.4-122	%REC	261413	10	05/25/2018 17:20	OM
Surr: Toluene-d8	105		0	80.1-116	%REC	261413	1	05/25/2018 16:56	OM
Surr: Toluene-d8	106		0	80.1-116	%REC	261413	10	05/25/2018 17:20	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-54D
Project Name:	MTL	**Collection Date:**	5/17/2018 11:35:00 AM
Lab ID:	1805G43-034	**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	261413	1	05/25/2018 14:31	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:31	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 14:31	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 14:31	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 14:31	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 14:31	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 14:31	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 14:31	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 14:31	CC
cis-1,2-Dichloroethene	9.3		0.28	5.0	ug/L	261413	1	05/25/2018 14:31	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 14:31	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 14:31	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:31	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:31	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-54D
Project Name:	MTL	**Collection Date:**	5/17/2018 11:35:00 AM
Lab ID:	1805G43-034	**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	261413	1	05/25/2018 14:31	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:31	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:31	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:31	CC
Vinyl chloride	19		0.30	2.0	ug/L	261413	1	05/25/2018 14:31	CC
Surr: 4-Bromofluorobenzene	83.6		0	68-127	%REC	261413	1	05/25/2018 14:31	CC
Surr: Dibromofluoromethane	120		0	84.4-122	%REC	261413	1	05/25/2018 14:31	CC
Surr: Toluene-d8	95.2		0	80.1-116	%REC	261413	1	05/25/2018 14:31	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-55D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:10:00 PM
Lab ID:	1805G43-035	**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	261413	1	05/25/2018 16:07	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:07	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 16:07	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 16:07	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 16:07	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 16:07	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 16:07	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 16:07	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 16:07	OM
cis-1,2-Dichloroethene	41		0.28	5.0	ug/L	261413	1	05/25/2018 16:07	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 16:07	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 16:07	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:07	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:07	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-55D
Project Name:	MTL	**Collection Date:**	5/17/2018 12:10:00 PM
Lab ID:	1805G43-035	**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	261413	1	05/25/2018 16:07	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:07	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 16:07	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:07	OM
Vinyl chloride	82		0.30	2.0	ug/L	261413	1	05/25/2018 16:07	OM
Surr: 4-Bromofluorobenzene	92.1		0	68-127	%REC	261413	1	05/25/2018 16:07	OM
Surr: Dibromofluoromethane	108		0	84.4-122	%REC	261413	1	05/25/2018 16:07	OM
Surr: Toluene-d8	103		0	80.1-116	%REC	261413	1	05/25/2018 16:07	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-56D
Project Name:	MTL	**Collection Date:**	5/17/2018 10:50:00 AM
Lab ID:	1805G43-036	**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	261413	1	05/25/2018 16:31	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:31	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 16:31	OM
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 16:31	OM
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 16:31	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 16:31	OM
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 16:31	OM
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 16:31	OM
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 16:31	OM
cis-1,2-Dichloroethene	3.2	J	0.28	5.0	ug/L	261413	1	05/25/2018 16:31	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 16:31	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 16:31	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 16:31	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:31	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-56D
Project Name:	MTL	**Collection Date:**	5/17/2018 10:50:00 AM
Lab ID:	1805G43-036	**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	261413	1	05/25/2018 16:31	OM
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 16:31	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 16:31	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 16:31	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 16:31	OM
Surr: 4-Bromofluorobenzene	91.4		0	68-127	%REC	261413	1	05/25/2018 16:31	OM
Surr: Dibromofluoromethane	107		0	84.4-122	%REC	261413	1	05/25/2018 16:31	OM
Surr: Toluene-d8	104		0	80.1-116	%REC	261413	1	05/25/2018 16:31	OM

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-57S
Project Name:	MTL	**Collection Date:**	5/17/2018 10:05:00 AM
Lab ID:	1805G43-037	**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	261413	1	05/25/2018 12:07	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:07	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 12:07	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 12:07	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 12:07	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 12:07	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 12:07	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 12:07	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 12:07	CC
cis-1,2-Dichloroethene	54		0.28	5.0	ug/L	261413	1	05/25/2018 12:07	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 12:07	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 12:07	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:07	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:07	CC

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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-57S
Project Name:	MTL	**Collection Date:**	5/17/2018 10:05:00 AM
Lab ID:	1805G43-037	**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	261413	1	05/25/2018 12:07	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Tetrachloroethene	13		0.46	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:07	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 12:07	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Trichloroethene	16		0.30	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:07	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 12:07	CC
Surr: 4-Bromofluorobenzene	92.8		0	68-127	%REC	261413	1	05/25/2018 12:07	CC
Surr: Dibromofluoromethane	115		0	84.4-122	%REC	261413	1	05/25/2018 12:07	CC
Surr: Toluene-d8	95.7		0	80.1-116	%REC	261413	1	05/25/2018 12:07	CC
METALS, TOTAL SW6010D					**(SW3010A)**				
Arsenic	BRL		0.0072	0.0500	mg/L	261339	1	05/25/2018 15:10	TA

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-58D
Project Name:	MTL	**Collection Date:**	5/17/2018 2:10:00 AM
Lab ID:	1805G43-038	**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	261413	1	05/25/2018 12:36	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:36	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 12:36	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 12:36	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 12:36	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 12:36	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 12:36	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 12:36	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 12:36	CC
cis-1,2-Dichloroethene	4.8	J	0.28	5.0	ug/L	261413	1	05/25/2018 12:36	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 12:36	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 12:36	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 12:36	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:36	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	MW-58D
Project Name:	MTL	**Collection Date:**	5/17/2018 2:10:00 AM
Lab ID:	1805G43-038	**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	261413	1	05/25/2018 12:36	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 12:36	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 12:36	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Trichloroethene	2.7	J	0.30	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 12:36	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 12:36	CC
Surr: 4-Bromofluorobenzene	95.2		0	68-127	%REC	261413	1	05/25/2018 12:36	CC
Surr: Dibromofluoromethane	119		0	84.4-122	%REC	261413	1	05/25/2018 12:36	CC
Surr: Toluene-d8	97.6		0	80.1-116	%REC	261413	1	05/25/2018 12:36	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	PAW-3
Project Name:	MTL	**Collection Date:**	5/15/2018 4:50:00 PM
Lab ID:	1805G43-039	**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	261413	1	05/25/2018 13:05	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 13:05	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 13:05	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 13:05	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 13:05	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 13:05	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 13:05	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 13:05	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 13:05	CC
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261413	1	05/25/2018 13:05	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 13:05	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 13:05	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 13:05	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:05	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	PAW-3
Project Name:	MTL	**Collection Date:**	5/15/2018 4:50:00 PM
Lab ID:	1805G43-039	**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	261413	1	05/25/2018 13:05	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 13:05	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 13:05	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 13:05	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261413	1	05/25/2018 13:05	CC
Surr: 4-Bromofluorobenzene	93.6		0	68-127	%REC	261413	1	05/25/2018 13:05	CC
Surr: Dibromofluoromethane	115		0	84.4-122	%REC	261413	1	05/25/2018 13:05	CC
Surr: Toluene-d8	97.8		0	80.1-116	%REC	261413	1	05/25/2018 13:05	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	PAW-4
Project Name:	MTL	**Collection Date:**	5/15/2018 4:20:00 PM
Lab ID:	1805G43-040	**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	261413	1	05/25/2018 14:58	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,1-Dichloroethane	1.8	J	0.43	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,1-Dichloroethene	2.2	J	0.40	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:58	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261413	1	05/25/2018 14:58	CC
2-Butanone	BRL		2.5	50	ug/L	261413	1	05/25/2018 14:58	CC
2-Hexanone	BRL		0.67	10	ug/L	261413	1	05/25/2018 14:58	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261413	1	05/25/2018 14:58	CC
Acetone	BRL		3.6	50	ug/L	261413	1	05/25/2018 14:58	CC
Benzene	BRL		0.37	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Bromoform	BRL		0.19	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Bromomethane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Chloroethane	BRL		0.31	10	ug/L	261413	1	05/25/2018 14:58	CC
Chloroform	BRL		0.20	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Chloromethane	BRL		0.21	10	ug/L	261413	1	05/25/2018 14:58	CC
cis-1,2-Dichloroethene	510		2.8	50	ug/L	261413	10	05/25/2018 15:26	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261413	1	05/25/2018 14:58	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Freon-113	BRL		0.32	10	ug/L	261413	1	05/25/2018 14:58	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261413	1	05/25/2018 14:58	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:58	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	PAW-4
Project Name:	MTL	**Collection Date:**	5/15/2018 4:20:00 PM
Lab ID:	1805G43-040	**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	261413	1	05/25/2018 14:58	CC
o-Xylene	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Styrene	BRL		0.15	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Tetrachloroethene	3.0	J	0.46	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Toluene	BRL		0.39	5.0	ug/L	261413	1	05/25/2018 14:58	CC
trans-1,2-Dichloroethene	2.8	J	0.30	5.0	ug/L	261413	1	05/25/2018 14:58	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Trichloroethene	3.7	J	0.30	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261413	1	05/25/2018 14:58	CC
Vinyl chloride	71		0.30	2.0	ug/L	261413	1	05/25/2018 14:58	CC
Surr: 4-Bromofluorobenzene	83.8		0	68-127	%REC	261413	1	05/25/2018 14:58	CC
Surr: 4-Bromofluorobenzene	84		0	68-127	%REC	261413	10	05/25/2018 15:26	CC
Surr: Dibromofluoromethane	115		0	84.4-122	%REC	261413	10	05/25/2018 15:26	CC
Surr: Dibromofluoromethane	119		0	84.4-122	%REC	261413	1	05/25/2018 14:58	CC
Surr: Toluene-d8	93.6		0	80.1-116	%REC	261413	1	05/25/2018 14:58	CC
Surr: Toluene-d8	98.9		0	80.1-116	%REC	261413	10	05/25/2018 15:26	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-1
Project Name:	MTL	**Collection Date:**	5/15/2018 5:45:00 PM
Lab ID:	1805G43-041	**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	261361	1	05/25/2018 15:53	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 15:53	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261361	1	05/25/2018 15:53	CC
2-Butanone	BRL		2.5	50	ug/L	261361	1	05/25/2018 15:53	CC
2-Hexanone	BRL		0.67	10	ug/L	261361	1	05/25/2018 15:53	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261361	1	05/25/2018 15:53	CC
Acetone	BRL		3.6	50	ug/L	261361	1	05/25/2018 15:53	CC
Benzene	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Bromoform	BRL		0.19	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Bromomethane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Chloroethane	BRL		0.31	10	ug/L	261361	1	05/25/2018 15:53	CC
Chloroform	BRL		0.20	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Chloromethane	BRL		0.21	10	ug/L	261361	1	05/25/2018 15:53	CC
cis-1,2-Dichloroethene	7.5		0.28	5.0	ug/L	261361	1	05/25/2018 15:53	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261361	1	05/25/2018 15:53	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Freon-113	BRL		0.32	10	ug/L	261361	1	05/25/2018 15:53	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 15:53	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 15:53	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-1
Project Name:	MTL	**Collection Date:**	5/15/2018 5:45:00 PM
Lab ID:	1805G43-041	**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	261361	1	05/25/2018 15:53	CC
o-Xylene	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Styrene	BRL		0.15	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Toluene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 15:53	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 15:53	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 15:53	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261361	1	05/25/2018 15:53	CC
Surr: 4-Bromofluorobenzene	79.9		0	68-127	%REC	261361	1	05/25/2018 15:53	CC
Surr: Dibromofluoromethane	116		0	84.4-122	%REC	261361	1	05/25/2018 15:53	CC
Surr: Toluene-d8	94.2		0	80.1-116	%REC	261361	1	05/25/2018 15:53	CC

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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-8
Project Name:	MTL	**Collection Date:**	5/17/2018 5:15:00 PM
Lab ID:	1805G43-042	**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	261361	1	05/25/2018 16:20	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,1-Dichloroethane	1.8	J	0.43	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,1-Dichloroethene	5.5		0.40	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 16:20	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261361	1	05/25/2018 16:20	CC
2-Butanone	BRL		2.5	50	ug/L	261361	1	05/25/2018 16:20	CC
2-Hexanone	BRL		0.67	10	ug/L	261361	1	05/25/2018 16:20	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261361	1	05/25/2018 16:20	CC
Acetone	BRL		3.6	50	ug/L	261361	1	05/25/2018 16:20	CC
Benzene	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Bromoform	BRL		0.19	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Bromomethane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Chloroethane	BRL		0.31	10	ug/L	261361	1	05/25/2018 16:20	CC
Chloroform	BRL		0.20	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Chloromethane	BRL		0.21	10	ug/L	261361	1	05/25/2018 16:20	CC
cis-1,2-Dichloroethene	1100		2.8	50	ug/L	261361	10	05/25/2018 16:47	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261361	1	05/25/2018 16:20	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Freon-113	BRL		0.32	10	ug/L	261361	1	05/25/2018 16:20	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 16:20	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 16:20	CC

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:** 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-8
Project Name:	MTL	**Collection Date:**	5/17/2018 5:15:00 PM
Lab ID:	1805G43-042	**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	261361	1	05/25/2018 16:20	CC
o-Xylene	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Styrene	BRL		0.15	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Toluene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 16:20	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 16:20	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 16:20	CC
Vinyl chloride	170		0.30	2.0	ug/L	261361	1	05/25/2018 16:20	CC
Surr: 4-Bromofluorobenzene	75.5		0	68-127	%REC	261361	1	05/25/2018 16:20	CC
Surr: 4-Bromofluorobenzene	89.3		0	68-127	%REC	261361	10	05/25/2018 16:47	CC
Surr: Dibromofluoromethane	114		0	84.4-122	%REC	261361	10	05/25/2018 16:47	CC
Surr: Dibromofluoromethane	119		0	84.4-122	%REC	261361	1	05/25/2018 16:20	CC
Surr: Toluene-d8	94.2		0	80.1-116	%REC	261361	1	05/25/2018 16:20	CC
Surr: Toluene-d8	101		0	80.1-116	%REC	261361	10	05/25/2018 16:47	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-9
Project Name:	MTL	**Collection Date:**	5/15/2018 7:37:00 PM
Lab ID:	1805G43-043	**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	261361	1	05/25/2018 17:25	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,1-Dichloroethene	4.3	J	0.40	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 17:25	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261361	1	05/25/2018 17:25	CC
2-Butanone	BRL		2.5	50	ug/L	261361	1	05/25/2018 17:25	CC
2-Hexanone	BRL		0.67	10	ug/L	261361	1	05/25/2018 17:25	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261361	1	05/25/2018 17:25	CC
Acetone	BRL		3.6	50	ug/L	261361	1	05/25/2018 17:25	CC
Benzene	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Bromoform	BRL		0.19	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Bromomethane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Chloroethane	BRL		0.31	10	ug/L	261361	1	05/25/2018 17:25	CC
Chloroform	BRL		0.20	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Chloromethane	BRL		0.21	10	ug/L	261361	1	05/25/2018 17:25	CC
cis-1,2-Dichloroethene	140		0.28	5.0	ug/L	261361	1	05/25/2018 17:25	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261361	1	05/25/2018 17:25	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Freon-113	BRL		0.32	10	ug/L	261361	1	05/25/2018 17:25	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 17:25	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 17:25	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	RW-9
Project Name:	MTL	**Collection Date:**	5/15/2018 7:37:00 PM
Lab ID:	1805G43-043	**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	261361	1	05/25/2018 17:25	CC
o-Xylene	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Styrene	BRL		0.15	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Toluene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 17:25	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 17:25	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 17:25	CC
Vinyl chloride	130		0.30	2.0	ug/L	261361	1	05/25/2018 17:25	CC
Surr: 4-Bromofluorobenzene	95		0	68-127	%REC	261361	1	05/25/2018 17:25	CC
Surr: Dibromofluoromethane	112		0	84.4-122	%REC	261361	1	05/25/2018 17:25	CC
Surr: Toluene-d8	95.5		0	80.1-116	%REC	261361	1	05/25/2018 17:25	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	5/17/2018
Lab ID:	1805G43-044	**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	261361	1	05/25/2018 19:56	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 19:56	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	261361	1	05/25/2018 19:56	CC
2-Butanone	BRL		2.5	50	ug/L	261361	1	05/25/2018 19:56	CC
2-Hexanone	BRL		0.67	10	ug/L	261361	1	05/25/2018 19:56	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	261361	1	05/25/2018 19:56	CC
Acetone	BRL		3.6	50	ug/L	261361	1	05/25/2018 19:56	CC
Benzene	BRL		0.37	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Bromoform	BRL		0.19	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Bromomethane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Chloroethane	BRL		0.31	10	ug/L	261361	1	05/25/2018 19:56	CC
Chloroform	BRL		0.20	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Chloromethane	BRL		0.21	10	ug/L	261361	1	05/25/2018 19:56	CC
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	261361	1	05/25/2018 19:56	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Cyclohexane	BRL		1.0	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	261361	1	05/25/2018 19:56	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Freon-113	BRL		0.32	10	ug/L	261361	1	05/25/2018 19:56	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	261361	1	05/25/2018 19:56	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Methyl acetate	BRL		0.42	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 19:56	CC

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: 31-May-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	5/17/2018
Lab ID:	1805G43-044	**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	261361	1	05/25/2018 19:56	CC
o-Xylene	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Styrene	BRL		0.15	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Toluene	BRL		0.39	5.0	ug/L	261361	1	05/25/2018 19:56	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 19:56	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Trichloroethene	BRL		0.30	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	261361	1	05/25/2018 19:56	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	261361	1	05/25/2018 19:56	CC
Surr: 4-Bromofluorobenzene	87.9		0	68-127	%REC	261361	1	05/25/2018 19:56	CC
Surr: Dibromofluoromethane	114		0	84.4-122	%REC	261361	1	05/25/2018 19:56	CC
Surr: Toluene-d8	96.1		0	80.1-116	%REC	261361	1	05/25/2018 19:56	CC

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

Clear | Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Environmental International Corp** AES Work Order Number: **1805G43**

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 3.4 °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 5/18/18

		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). MJ 5/19/18

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). MP 5/19/18

Client: Environmental International Corp
Project Name: MTL
Workorder: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: 261224

Sample ID: **MB-261224** Client ID: Units: **ug/L** Prep Date: **05/22/2018** Run No: **370967**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/22/2018** Seq No: **8228876**

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261224**

Sample ID: **MB-261224** Client ID: Units: **ug/L** Prep Date: **05/22/2018** Run No: **370967**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/22/2018** Seq No: **8228876**

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	2.620	5.0									J
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	49.90	0	50.00		99.8	68	127				
Surr: Dibromofluoromethane	56.62	0	50.00		113	84.4	122				
Surr: Toluene-d8	53.71	0	50.00		107	80.1	116				

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261224**

Sample ID: **LCS-261224** Client ID: Units: **ug/L** Prep Date: **05/22/2018** Run No: **370967**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/22/2018** Seq No: **8228880**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.20	5.0	50.00		114	69	136				
Benzene	57.20	5.0	50.00		114	73.7	126				
Chlorobenzene	53.86	5.0	50.00		108	73.5	124				
Toluene	59.86	5.0	50.00		120	76.8	125				
Trichloroethene	56.90	5.0	50.00		114	70.9	124				
Surr: 4-Bromofluorobenzene	49.65	0	50.00		99.3	68	127				
Surr: Dibromofluoromethane	55.93	0	50.00		112	84.4	122				
Surr: Toluene-d8	53.38	0	50.00		107	80.1	116				

Sample ID: **1805G43-016AMS** Client ID: **MW-36R** Units: **ug/L** Prep Date: **05/22/2018** Run No: **371191**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/24/2018** Seq No: **8233778**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	71.03	5.0	50.00		142	65.7	143				
Benzene	63.24	5.0	50.00		126	66.1	137				
Chlorobenzene	60.27	5.0	50.00		121	70.9	132				
Toluene	60.57	5.0	50.00		121	63.8	141				
Trichloroethene	53.96	5.0	50.00		108	70.6	128				
Surr: 4-Bromofluorobenzene	45.10	0	50.00		90.2	68	127				
Surr: Dibromofluoromethane	50.93	0	50.00		102	84.4	122				
Surr: Toluene-d8	51.56	0	50.00		103	80.1	116				

Sample ID: **1805G43-016AMSD** Client ID: **MW-36R** Units: **ug/L** Prep Date: **05/22/2018** Run No: **371191**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/24/2018** Seq No: **8233779**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	71.29	5.0	50.00		143	65.7	143	71.03	0.365	17.7	
Benzene	66.49	5.0	50.00		133	66.1	137	63.24	5.01	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261224**

Sample ID: **1805G43-016AMSD** Client ID: **MW-36R** Units: **ug/L** Prep Date: **05/22/2018** Run No: **371191**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261224** Analysis Date: **05/24/2018** Seq No: **8233779**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	62.82	5.0	50.00		126	70.9	132	60.27	4.14	20	
Toluene	63.71	5.0	50.00		127	63.8	141	60.57	5.05	20	
Trichloroethene	55.92	5.0	50.00		112	70.6	128	53.96	3.57	20	
Surr: 4-Bromofluorobenzene	45.75	0	50.00		91.5	68	127	45.10	0	0	
Surr: Dibromofluoromethane	51.05	0	50.00		102	84.4	122	50.93	0	0	
Surr: Toluene-d8	50.88	0	50.00		102	80.1	116	51.56	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: 261339

Sample ID: **MB-261339** Client ID: Units: **mg/L** Prep Date: **05/24/2018** Run No: **371335**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **261339** Analysis Date: **05/25/2018** Seq No: **8238015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	BRL	0.0500									

Sample ID: **LCS-261339** Client ID: Units: **mg/L** Prep Date: **05/24/2018** Run No: **371335**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **261339** Analysis Date: **05/25/2018** Seq No: **8238016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.040	0.0500	1.000		104	80	120				

Sample ID: **1805G43-017BMS** Client ID: **MW-37S** Units: **mg/L** Prep Date: **05/24/2018** Run No: **371335**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **261339** Analysis Date: **05/25/2018** Seq No: **8238018**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.024	0.0500	1.000	0.007700	102	75	125				

Sample ID: **1805G43-017BMSD** Client ID: **MW-37S** Units: **mg/L** Prep Date: **05/24/2018** Run No: **371335**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **261339** Analysis Date: **05/25/2018** Seq No: **8238019**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.036	0.0500	1.000	0.007700	103	75	125	1.024	1.17	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261361**

Sample ID: **MB-261361** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8233047**

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: 261361

Sample ID: **MB-261361** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8233047**

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	47.81	0	50.00		95.6	68	127				
Surr: Dibromofluoromethane	52.03	0	50.00		104	84.4	122				
Surr: Toluene-d8	52.87	0	50.00		106	80.1	116				

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261361**

Sample ID: **LCS-261361** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8233046**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	49.35	5.0	50.00		98.7	69	136				
Benzene	50.42	5.0	50.00		101	73.7	126				
Chlorobenzene	50.06	5.0	50.00		100	73.5	124				
Toluene	48.91	5.0	50.00		97.8	76.8	125				
Trichloroethene	44.07	5.0	50.00		88.1	70.9	124				
Surr: 4-Bromofluorobenzene	45.78	0	50.00		91.6	68	127				
Surr: Dibromofluoromethane	49.68	0	50.00		99.4	84.4	122				
Surr: Toluene-d8	50.43	0	50.00		101	80.1	116				

Sample ID: **1805P16-001AMS** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8235526**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	703.4	50	500.0		141	65.7	143				
Benzene	612.0	50	500.0		122	66.1	137				
Chlorobenzene	574.6	50	500.0	7.860	113	70.9	132				
Toluene	583.4	50	500.0		117	63.8	141				
Trichloroethene	521.1	50	500.0		104	70.6	128				
Surr: 4-Bromofluorobenzene	462.3	0	500.0		92.5	68	127				
Surr: Dibromofluoromethane	518.6	0	500.0		104	84.4	122				
Surr: Toluene-d8	512.2	0	500.0		102	80.1	116				

Sample ID: **1805P16-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8235527**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	653.4	50	500.0		131	65.7	143	703.4	7.37	17.7	
Benzene	548.4	50	500.0		110	66.1	137	612.0	11.0	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261361**

Sample ID: **1805P16-001AMSD** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261361** Analysis Date: **05/24/2018** Seq No: **8235527**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	546.8	50	500.0	7.860	108	70.9	132	574.6	4.96	20	
Toluene	525.8	50	500.0		105	63.8	141	583.4	10.4	20	
Trichloroethene	471.2	50	500.0		94.2	70.6	128	521.1	10.1	20	
Surr: 4-Bromofluorobenzene	479.1	0	500.0		95.8	68	127	462.3	0	0	
Surr: Dibromofluoromethane	506.3	0	500.0		101	84.4	122	518.6	0	0	
Surr: Toluene-d8	504.9	0	500.0		101	80.1	116	512.2	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261413**

Sample ID: **MB-261413** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/24/2018** Seq No: **8235524**

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261413**

Sample ID: **MB-261413** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371191**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/24/2018** Seq No: **8235524**

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	47.65	0	50.00		95.3	68	127				
Surr: Dibromofluoromethane	51.39	0	50.00		103	84.4	122				
Surr: Toluene-d8	52.30	0	50.00		105	80.1	116				

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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261413**

Sample ID: **LCS-261413** Client ID: Units: **ug/L** Prep Date: **05/24/2018** Run No: **371268**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/25/2018** Seq No: **8236932**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.14	5.0	50.00		102	69	136				
Benzene	49.07	5.0	50.00		98.1	73.7	126				
Chlorobenzene	47.95	5.0	50.00		95.9	73.5	124				
Toluene	46.08	5.0	50.00		92.2	76.8	125				
Trichloroethene	42.96	5.0	50.00		85.9	70.9	124				
Surr: 4-Bromofluorobenzene	46.98	0	50.00		94.0	68	127				
Surr: Dibromofluoromethane	48.76	0	50.00		97.5	84.4	122				
Surr: Toluene-d8	49.54	0	50.00		99.1	80.1	116				

Sample ID: **1805G43-020AMS** Client ID: **MW-40S** Units: **ug/L** Prep Date: **05/24/2018** Run No: **371268**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/25/2018** Seq No: **8238565**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	28040	2500	25000		112	65.7	143				
Benzene	26790	2500	25000		107	66.1	137				
Chlorobenzene	25330	2500	25000		101	70.9	132				
Toluene	25330	2500	25000		101	63.8	141				
Trichloroethene	24940	2500	25000	1480	93.8	70.6	128				
Surr: 4-Bromofluorobenzene	22470	0	25000		89.9	68	127				
Surr: Dibromofluoromethane	25780	0	25000		103	84.4	122				
Surr: Toluene-d8	25100	0	25000		100	80.1	116				

Sample ID: **1805G43-020AMSD** Client ID: **MW-40S** Units: **ug/L** Prep Date: **05/24/2018** Run No: **371268**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/25/2018** Seq No: **8238566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	29550	2500	25000		118	65.7	143	28040	5.23	17.7	
Benzene	28960	2500	25000		116	66.1	137	26790	7.77	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: 1805G43

ANALYTICAL QC SUMMARY REPORT

BatchID: **261413**

Sample ID: **1805G43-020AMSD** Client ID: **MW-40S** Units: **ug/L** Prep Date: **05/24/2018** Run No: **371268**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **261413** Analysis Date: **05/25/2018** Seq No: **8238566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	28360	2500	25000		113	70.9	132	25330	11.3	20	
Toluene	27440	2500	25000		110	63.8	141	25330	8.00	20	
Trichloroethene	26010	2500	25000	1480	98.1	70.6	128	24940	4.22	20	
Surr: 4-Bromofluorobenzene	23070	0	25000		92.3	68	127	22470	0	0	
Surr: Dibromofluoromethane	24390	0	25000		97.5	84.4	122	25780	0	0	
Surr: Toluene-d8	24810	0	25000		99.2	80.1	116	25100	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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 4-1 LABORATORY ANALYTICAL RESULTS FOR CONFIRMATION SAMPLING OCTOBER 2018

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 26, 2018

Ameila Grant
Environmental International Corp

161 Kimball Bridge Rd
Alpharetta GA 30009

RE: MTL

Dear Ameila Grant: Order No: 1810J61

Analytical Environmental Services, Inc. received 10 samples on 10/19/2018 10:51:00 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:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-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 11/01/19.
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: 1810J61

Date: 10/18/18 Page 1 of 1

COMPANY: Environmental International Corp.

ADDRESS:

PHONE:

EMAIL:

SAMPLED BY: Robert Andrews

SIGNATURE:

ANALYSIS REQUESTED: 8260B

PRESERVATION (see codes): S/M+I

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	8260B	REMARKS	Number of Containers
1	AOC-4 7	10/18/18	1223	X		SO	X		4
2	AOC-6 1	↓	1310	X		↓	↓		↓
3	AOC-6 2		1315	X					
4	AOC-6 3		1320	X					
5	AOC-6 4		1325	X					
6	AOC-6 5		1330	X					
7	AOC-6 6		1335	X					
8	AOC-6 7		1340	X					
9	DUP		1350	X		↓			↓
10	Trip Blank	↓	—	—		W	↓		2
11									
12									
13									
14									

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	10-19 923	1.	10-19 923
2.	10-19 1050	2. Ayana Blackwell	10/19/18 10:51
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier
other: _____

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

RECEIPT
Total # of Containers 30

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 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. Client assumes sole responsibility for damage or loss of samples before we accept them. 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 arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater 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

7.11.18_CO

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 26-Oct-18

Client: Environmental International Corp
Project: MTL
Lab ID: 1810J61

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

cis-1,2-Dichloroethene value for sample 1810J61-009A is "E" qualified indicating an estimated value over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1810J61-004A, -005A, -006A, -007A, & -009A 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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-4 7
Project Name:	MTL	**Collection Date:**	10/18/2018 12:23:00 PM
Lab ID:	1810J61-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.94	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,1,2,2-Tetrachloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,1,2-Trichloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,1-Dichloroethane	BRL		1.00	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,1-Dichloroethene	BRL		0.70	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2,4-Trichlorobenzene	BRL		1.4	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2-Dibromo-3-chloropropane	BRL		1.5	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2-Dibromoethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2-Dichlorobenzene	BRL		1.2	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2-Dichloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,2-Dichloropropane	BRL		1.0	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,3-Dichlorobenzene	BRL		0.91	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
1,4-Dichlorobenzene	BRL		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
2-Butanone	BRL		4.4	36	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
2-Hexanone	BRL		2.8	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
4-Methyl-2-pentanone	BRL		1.8	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Acetone	22	J	3.6	71	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Benzene	BRL		0.42	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Bromodichloromethane	BRL		0.97	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Bromoform	BRL		0.97	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Bromomethane	BRL		1.6	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Carbon disulfide	BRL		2.0	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Carbon tetrachloride	BRL		0.95	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Chlorobenzene	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Chloroethane	BRL		1.9	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Chloroform	BRL		0.86	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Chloromethane	BRL		1.3	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
cis-1,2-Dichloroethene	28		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
cis-1,3-Dichloropropene	BRL		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Cyclohexane	BRL		0.79	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Dibromochloromethane	BRL		0.96	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Dichlorodifluoromethane	BRL		1.1	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Ethylbenzene	BRL		0.36	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Freon-113	BRL		0.93	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Isopropylbenzene	BRL		1.0	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
m,p-Xylene	BRL		0.67	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Methyl acetate	BRL		1.8	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Methyl tert-butyl ether	BRL		0.81	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Methylcyclohexane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-4 7
Project Name:	MTL	**Collection Date:**	10/18/2018 12:23:00 PM
Lab ID:	1810J61-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.6	14	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
o-Xylene	BRL		0.37	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Styrene	BRL		0.94	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Tetrachloroethene	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Toluene	BRL		0.38	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
trans-1,2-Dichloroethene	BRL		1.2	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
trans-1,3-Dichloropropene	BRL		0.88	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Trichloroethene	BRL		0.98	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Trichlorofluoromethane	BRL		1.7	3.6	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Vinyl chloride	5.2	J	1.5	7.1	ug/Kg-dry	269336	1	10/25/2018 14:01	JB
Surr: 4-Bromofluorobenzene	85.9		0	65-133	%REC	269336	1	10/25/2018 14:01	JB
Surr: Dibromofluoromethane	98.3		0	75.8-119	%REC	269336	1	10/25/2018 14:01	JB
Surr: Toluene-d8	94.8		0	78.3-120	%REC	269336	1	10/25/2018 14:01	JB
PERCENT MOISTURE D2216									
Percent Moisture	12.5		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 1
Project Name:	MTL	**Collection Date:**	10/18/2018 1:10:00 PM
Lab ID:	1810J61-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.92	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,1-Dichloroethane	BRL		0.98	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,1-Dichloroethene	BRL		0.69	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,3-Dichlorobenzene	BRL		0.89	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
2-Butanone	BRL		4.4	35	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
2-Hexanone	BRL		2.7	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
4-Methyl-2-pentanone	BRL		1.8	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Acetone	59	J	3.5	70	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Benzene	BRL		0.42	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Bromodichloromethane	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Bromoform	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Carbon disulfide	2.3	J	1.9	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Carbon tetrachloride	BRL		0.93	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Chlorobenzene	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Chloroethane	BRL		1.9	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Chloroform	BRL		0.85	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Chloromethane	BRL		1.3	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
cis-1,2-Dichloroethene	36		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Cyclohexane	6.3		0.78	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Dibromochloromethane	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Dichlorodifluoromethane	BRL		1.0	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Ethylbenzene	9.8		0.35	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Freon-113	BRL		0.91	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Isopropylbenzene	2.0	J	0.99	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
m,p-Xylene	35		0.66	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Methyl tert-butyl ether	BRL		0.80	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Methylcyclohexane	67		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 1
Project Name:	MTL	**Collection Date:**	10/18/2018 1:10:00 PM
Lab ID:	1810J61-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.5	14	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
o-Xylene	15		0.36	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Styrene	BRL		0.92	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Tetrachloroethene	12000		530	1700	ug/Kg-dry	269145	500	10/25/2018 22:13	JE
Toluene	4.2		0.37	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
trans-1,2-Dichloroethene	BRL		1.2	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
trans-1,3-Dichloropropene	BRL		0.87	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Trichloroethene	58		0.97	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Trichlorofluoromethane	BRL		1.6	3.5	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Vinyl chloride	BRL		1.5	7.0	ug/Kg-dry	269336	1	10/25/2018 14:26	JB
Surr: 4-Bromofluorobenzene	91.6		0	65-133	%REC	269145	500	10/25/2018 22:13	JE
Surr: 4-Bromofluorobenzene	92.6		0	65-133	%REC	269336	1	10/25/2018 14:26	JB
Surr: Dibromofluoromethane	93.9		0	75.8-119	%REC	269145	500	10/25/2018 22:13	JE
Surr: Dibromofluoromethane	89.4		0	75.8-119	%REC	269336	1	10/25/2018 14:26	JB
Surr: Toluene-d8	96.8		0	78.3-120	%REC	269145	500	10/25/2018 22:13	JE
Surr: Toluene-d8	99.3		0	78.3-120	%REC	269336	1	10/25/2018 14:26	JB
PERCENT MOISTURE D2216									
Percent Moisture	17.2		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 2
Project Name:	MTL	**Collection Date:**	10/18/2018 1:15:00 PM
Lab ID:	1810J61-003	**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	269336	1	10/25/2018 20:26	JB
1,1,2,2-Tetrachloroethane	BRL		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,1,2-Trichloroethane	BRL		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,1-Dichloroethane	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,1-Dichloroethene	BRL		0.84	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2,4-Trichlorobenzene	BRL		1.7	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2-Dibromo-3-chloropropane	BRL		1.8	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2-Dibromoethane	BRL		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2-Dichlorobenzene	BRL		1.4	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2-Dichloroethane	BRL		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,2-Dichloropropane	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,3-Dichlorobenzene	BRL		1.1	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
1,4-Dichlorobenzene	BRL		1.5	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
2-Butanone	BRL		5.3	42	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
2-Hexanone	BRL		3.3	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
4-Methyl-2-pentanone	BRL		2.2	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Acetone	21	J	4.3	85	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Benzene	BRL		0.51	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Bromodichloromethane	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Bromoform	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Bromomethane	BRL		1.9	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Carbon disulfide	BRL		2.3	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Carbon tetrachloride	BRL		1.1	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Chlorobenzene	BRL		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Chloroethane	BRL		2.3	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Chloroform	BRL		1.0	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Chloromethane	BRL		1.6	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
cis-1,2-Dichloroethene	BRL		1.6	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
cis-1,3-Dichloropropene	BRL		1.5	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Cyclohexane	BRL		0.95	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Dibromochloromethane	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Dichlorodifluoromethane	BRL		1.3	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Ethylbenzene	BRL		0.43	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Freon-113	BRL		1.1	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Isopropylbenzene	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
m,p-Xylene	BRL		0.80	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Methyl acetate	BRL		2.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Methyl tert-butyl ether	BRL		0.97	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Methylcyclohexane	BRL		1.4	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 2
Project Name:	MTL	**Collection Date:**	10/18/2018 1:15:00 PM
Lab ID:	1810J61-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.3	17	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
o-Xylene	BRL		0.44	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Styrene	BRL		1.1	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Tetrachloroethene	9.5		1.3	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Toluene	BRL		0.45	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
trans-1,2-Dichloroethene	BRL		1.5	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
trans-1,3-Dichloropropene	BRL		1.1	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Trichloroethene	BRL		1.2	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Trichlorofluoromethane	BRL		2.0	4.2	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Vinyl chloride	BRL		1.8	8.5	ug/Kg-dry	269336	1	10/25/2018 20:26	JB
Surr: 4-Bromofluorobenzene	86.7		0	65-133	%REC	269336	1	10/25/2018 20:26	JB
Surr: Dibromofluoromethane	100		0	75.8-119	%REC	269336	1	10/25/2018 20:26	JB
Surr: Toluene-d8	97.8		0	78.3-120	%REC	269336	1	10/25/2018 20:26	JB
PERCENT MOISTURE D2216									
Percent Moisture	15.1		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 3
Project Name:	MTL	**Collection Date:**	10/18/2018 1:20:00 PM
Lab ID:	1810J61-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.94	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,1,2,2-Tetrachloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,1,2-Trichloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,1-Dichloroethane	BRL		1.0	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,1-Dichloroethene	BRL		0.70	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2,4-Trichlorobenzene	BRL		1.4	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2-Dibromo-3-chloropropane	BRL		1.5	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2-Dibromoethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2-Dichlorobenzene	BRL		1.2	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2-Dichloroethane	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,2-Dichloropropane	BRL		1.0	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,3-Dichlorobenzene	BRL		0.91	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
1,4-Dichlorobenzene	BRL		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
2-Butanone	BRL		4.4	36	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
2-Hexanone	BRL		2.8	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
4-Methyl-2-pentanone	BRL		1.9	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Acetone	62	J	3.6	71	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Benzene	BRL		0.43	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Bromodichloromethane	BRL		0.97	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Bromoform	BRL		0.97	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Bromomethane	BRL		1.6	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Carbon disulfide	BRL		2.0	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Carbon tetrachloride	BRL		0.95	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Chlorobenzene	BRL		1.1	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Chloroethane	BRL		1.9	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Chloroform	BRL		0.86	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Chloromethane	BRL		1.3	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
cis-1,2-Dichloroethene	93		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
cis-1,3-Dichloropropene	BRL		1.3	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Cyclohexane	BRL		0.80	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Dibromochloromethane	BRL		0.97	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Dichlorodifluoromethane	BRL		1.1	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Ethylbenzene	2.6	J	0.36	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Freon-113	BRL		0.93	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Isopropylbenzene	BRL		1.0	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
m,p-Xylene	6.6		0.68	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Methyl acetate	BRL		1.9	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Methyl tert-butyl ether	BRL		0.82	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Methylcyclohexane	BRL		1.2	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 3
Project Name:	MTL	**Collection Date:**	10/18/2018 1:20:00 PM
Lab ID:	1810J61-004	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		3.6	14	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
o-Xylene	2.1	J	0.37	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Styrene	BRL		0.94	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Tetrachloroethene	890		54	180	ug/Kg-dry	269145	50	10/25/2018 23:03	JE
Toluene	3.1	J	0.38	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
trans-1,2-Dichloroethene	3.3	J	1.2	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
trans-1,3-Dichloropropene	BRL		0.89	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Trichloroethene	44		0.99	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Trichlorofluoromethane	BRL		1.7	3.6	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Vinyl chloride	1.6	J	1.5	7.1	ug/Kg-dry	269336	1	10/25/2018 15:16	JB
Surr: 4-Bromofluorobenzene	83.7		0	65-133	%REC	269145	50	10/25/2018 23:03	JE
Surr: 4-Bromofluorobenzene	73.1		0	65-133	%REC	269336	1	10/25/2018 15:16	JB
Surr: Dibromofluoromethane	96.3		0	75.8-119	%REC	269145	50	10/25/2018 23:03	JE
Surr: Dibromofluoromethane	96.9		0	75.8-119	%REC	269336	1	10/25/2018 15:16	JB
Surr: Toluene-d8	91.8		0	78.3-120	%REC	269145	50	10/25/2018 23:03	JE
Surr: Toluene-d8	91.6		0	78.3-120	%REC	269336	1	10/25/2018 15:16	JB
PERCENT MOISTURE D2216									
Percent Moisture	16.8		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 4
Project Name:	MTL	**Collection Date:**	10/18/2018 1:25:00 PM
Lab ID:	1810J61-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.94	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,1-Dichloroethane	BRL		1.00	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,1-Dichloroethene	BRL		0.70	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2-Dichlorobenzene	BRL		1.2	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,3-Dichlorobenzene	BRL		0.91	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
2-Butanone	BRL		4.4	35	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
2-Hexanone	BRL		2.7	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
4-Methyl-2-pentanone	BRL		1.8	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Acetone	41	J	3.6	71	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Benzene	BRL		0.42	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Bromodichloromethane	BRL		0.96	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Bromoform	BRL		0.96	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Carbon disulfide	BRL		1.9	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Carbon tetrachloride	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Chlorobenzene	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Chloroethane	BRL		1.9	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Chloroform	BRL		0.86	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Chloromethane	BRL		1.3	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
cis-1,2-Dichloroethene	550		65	180	ug/Kg-dry	269145	50	10/25/2018 23:28	JE
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Cyclohexane	BRL		0.79	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Dibromochloromethane	BRL		0.96	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Dichlorodifluoromethane	BRL		1.1	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Ethylbenzene	0.51	J	0.36	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Freon-113	BRL		0.93	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Isopropylbenzene	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
m,p-Xylene	BRL		0.67	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Methyl tert-butyl ether	BRL		0.81	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 4
Project Name:	MTL	**Collection Date:**	10/18/2018 1:25:00 PM
Lab ID:	1810J61-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.6	14	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
o-Xylene	BRL		0.37	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Styrene	BRL		0.93	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Tetrachloroethene	2400		54	180	ug/Kg-dry	269145	50	10/25/2018 23:28	JE
Toluene	BRL		0.38	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
trans-1,2-Dichloroethene	19		1.2	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
trans-1,3-Dichloropropene	BRL		0.88	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Trichloroethene	750		49	180	ug/Kg-dry	269145	50	10/25/2018 23:28	JE
Trichlorofluoromethane	BRL		1.7	3.5	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Vinyl chloride	BRL		1.5	7.1	ug/Kg-dry	269336	1	10/25/2018 15:41	JB
Surr: 4-Bromofluorobenzene	82.7		0	65-133	%REC	269145	50	10/25/2018 23:28	JE
Surr: 4-Bromofluorobenzene	73.9		0	65-133	%REC	269336	1	10/25/2018 15:41	JB
Surr: Dibromofluoromethane	101		0	75.8-119	%REC	269145	50	10/25/2018 23:28	JE
Surr: Dibromofluoromethane	97.1		0	75.8-119	%REC	269336	1	10/25/2018 15:41	JB
Surr: Toluene-d8	90.3		0	78.3-120	%REC	269145	50	10/25/2018 23:28	JE
Surr: Toluene-d8	92.3		0	78.3-120	%REC	269336	1	10/25/2018 15:41	JB
PERCENT MOISTURE D2216									
Percent Moisture	15.1		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 5
Project Name:	MTL	**Collection Date:**	10/18/2018 1:30:00 PM
Lab ID:	1810J61-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.99	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,1,2,2-Tetrachloroethane	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,1,2-Trichloroethane	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,1-Dichloroethane	1.7	J	1.1	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,1-Dichloroethene	0.78	J	0.74	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2-Dichloroethane	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,3-Dichlorobenzene	BRL		0.96	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
2-Butanone	BRL		4.7	37	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
2-Hexanone	BRL		2.9	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
4-Methyl-2-pentanone	BRL		1.9	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Acetone	21	J	3.8	75	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Benzene	BRL		0.45	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Bromoform	BRL		1.0	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Bromomethane	BRL		1.7	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Carbon disulfide	BRL		2.1	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Carbon tetrachloride	BRL		1.00	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Chloroethane	BRL		2.0	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Chloroform	BRL		0.91	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Chloromethane	BRL		1.4	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
cis-1,2-Dichloroethene	410		68	190	ug/Kg-dry	269145	50	10/25/2018 23:53	JE
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Cyclohexane	BRL		0.83	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Dichlorodifluoromethane	BRL		1.1	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Ethylbenzene	BRL		0.38	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Freon-113	BRL		0.98	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Isopropylbenzene	BRL		1.1	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
m,p-Xylene	BRL		0.71	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Methyl tert-butyl ether	BRL		0.85	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 5
Project Name:	MTL	**Collection Date:**	10/18/2018 1:30:00 PM
Lab ID:	1810J61-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
o-Xylene	BRL		0.39	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Styrene	BRL		0.99	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Tetrachloroethene	9.5		1.1	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Toluene	BRL		0.40	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
trans-1,2-Dichloroethene	68		1.3	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
trans-1,3-Dichloropropene	BRL		0.93	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Trichloroethene	15		1.0	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Trichlorofluoromethane	BRL		1.8	3.7	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Vinyl chloride	1.8	J	1.6	7.5	ug/Kg-dry	269336	1	10/25/2018 16:05	JB
Surr: 4-Bromofluorobenzene	82.9		0	65-133	%REC	269145	50	10/25/2018 23:53	JE
Surr: 4-Bromofluorobenzene	73		0	65-133	%REC	269336	1	10/25/2018 16:05	JB
Surr: Dibromofluoromethane	94.6		0	75.8-119	%REC	269145	50	10/25/2018 23:53	JE
Surr: Dibromofluoromethane	100		0	75.8-119	%REC	269336	1	10/25/2018 16:05	JB
Surr: Toluene-d8	90.5		0	78.3-120	%REC	269145	50	10/25/2018 23:53	JE
Surr: Toluene-d8	92.4		0	78.3-120	%REC	269336	1	10/25/2018 16:05	JB
PERCENT MOISTURE D2216									
Percent Moisture	16.4		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 6
Project Name:	MTL	**Collection Date:**	10/18/2018 1:35:00 PM
Lab ID:	1810J61-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,1,2,2-Tetrachloroethane	BRL		1.2	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,1,2-Trichloroethane	BRL		1.2	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,1-Dichloroethane	22		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,1-Dichloroethene	4.7		0.77	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2,4-Trichlorobenzene	BRL		1.5	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2-Dibromo-3-chloropropane	BRL		1.7	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2-Dibromoethane	BRL		1.2	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2-Dichlorobenzene	BRL		1.3	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2-Dichloroethane	BRL		1.2	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,2-Dichloropropane	BRL		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,3-Dichlorobenzene	BRL		0.99	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
1,4-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
2-Butanone	BRL		4.8	39	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
2-Hexanone	BRL		3.0	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
4-Methyl-2-pentanone	BRL		2.0	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Acetone	23	J	3.9	78	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Benzene	BRL		0.46	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Bromodichloromethane	BRL		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Bromoform	BRL		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Bromomethane	BRL		1.7	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Carbon disulfide	BRL		2.1	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Carbon tetrachloride	BRL		1.0	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Chlorobenzene	BRL		1.2	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Chloroethane	BRL		2.1	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Chloroform	BRL		0.94	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Chloromethane	BRL		1.4	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
cis-1,2-Dichloroethene	12000		710	1900	ug/Kg-dry	269145	500	10/25/2018 22:38	JE
cis-1,3-Dichloropropene	BRL		1.4	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Cyclohexane	1.4	J	0.87	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Dibromochloromethane	BRL		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Dichlorodifluoromethane	BRL		1.2	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Ethylbenzene	BRL		0.39	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Freon-113	BRL		1.0	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Isopropylbenzene	BRL		1.1	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
m,p-Xylene	BRL		0.74	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Methyl acetate	BRL		2.0	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Methyl tert-butyl ether	BRL		0.89	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Methylcyclohexane	BRL		1.3	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 6
Project Name:	MTL	**Collection Date:**	10/18/2018 1:35:00 PM
Lab ID:	1810J61-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.9	16	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
o-Xylene	0.85	J	0.40	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Styrene	BRL		1.0	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Tetrachloroethene	190		59	160	ug/Kg-dry	269145	50	10/26/2018 00:18	JE
Toluene	1.1	J	0.41	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
trans-1,2-Dichloroethene	340		67	190	ug/Kg-dry	269145	50	10/26/2018 00:18	JE
trans-1,3-Dichloropropene	BRL		0.96	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Trichloroethene	4700		54	190	ug/Kg-dry	269145	50	10/26/2018 00:18	JE
Trichlorofluoromethane	BRL		1.8	3.9	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Vinyl chloride	3.1	J	1.6	7.8	ug/Kg-dry	269336	1	10/25/2018 16:31	JB
Surr: 4-Bromofluorobenzene	87.6		0	65-133	%REC	269145	500	10/25/2018 22:38	JE
Surr: 4-Bromofluorobenzene	88.7		0	65-133	%REC	269145	50	10/26/2018 00:18	JE
Surr: 4-Bromofluorobenzene	69.6		0	65-133	%REC	269336	1	10/25/2018 16:31	JB
Surr: Dibromofluoromethane	94.2		0	75.8-119	%REC	269145	50	10/26/2018 00:18	JE
Surr: Dibromofluoromethane	101		0	75.8-119	%REC	269145	500	10/25/2018 22:38	JE
Surr: Dibromofluoromethane	100		0	75.8-119	%REC	269336	1	10/25/2018 16:31	JB
Surr: Toluene-d8	91.6		0	78.3-120	%REC	269145	50	10/26/2018 00:18	JE
Surr: Toluene-d8	91.9		0	78.3-120	%REC	269145	500	10/25/2018 22:38	JE
Surr: Toluene-d8	91.6		0	78.3-120	%REC	269336	1	10/25/2018 16:31	JB
PERCENT MOISTURE D2216									
Percent Moisture	16.6		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 7
Project Name:	MTL	**Collection Date:**	10/18/2018 1:40:00 PM
Lab ID:	1810J61-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,1,2,2-Tetrachloroethane	BRL		1.6	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,1,2-Trichloroethane	BRL		1.6	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,1-Dichloroethane	BRL		1.5	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,1-Dichloroethene	BRL		1.0	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2,4-Trichlorobenzene	BRL		2.1	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2-Dibromo-3-chloropropane	BRL		2.3	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2-Dibromoethane	BRL		1.7	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2-Dichlorobenzene	BRL		1.7	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2-Dichloroethane	BRL		1.6	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,2-Dichloropropane	BRL		1.5	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,3-Dichlorobenzene	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
1,4-Dichlorobenzene	BRL		1.9	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
2-Butanone	BRL		6.6	53	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
2-Hexanone	BRL		4.1	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
4-Methyl-2-pentanone	BRL		2.7	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Acetone	100	J	5.4	110	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Benzene	BRL		0.63	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Bromodichloromethane	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Bromoform	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Bromomethane	BRL		2.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Carbon disulfide	BRL		2.9	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Carbon tetrachloride	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Chlorobenzene	BRL		1.6	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Chloroethane	BRL		2.9	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Chloroform	BRL		1.3	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Chloromethane	BRL		2.0	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
cis-1,2-Dichloroethene	26		1.9	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
cis-1,3-Dichloropropene	BRL		1.9	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Cyclohexane	BRL		1.2	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Dibromochloromethane	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Dichlorodifluoromethane	BRL		1.6	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Ethylbenzene	0.61	J	0.53	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Freon-113	BRL		1.4	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Isopropylbenzene	BRL		1.5	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
m,p-Xylene	BRL		1.0	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Methyl acetate	BRL		2.8	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Methyl tert-butyl ether	BRL		1.2	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Methylcyclohexane	BRL		1.7	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	AOC-6 7
Project Name:	MTL	**Collection Date:**	10/18/2018 1:40:00 PM
Lab ID:	1810J61-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		5.3	21	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
o-Xylene	BRL		0.55	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Styrene	BRL		1.4	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Tetrachloroethene	8.0		1.6	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Toluene	3.0	J	0.56	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
trans-1,2-Dichloroethene	2.0	J	1.8	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
trans-1,3-Dichloropropene	BRL		1.3	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Trichloroethene	2.3	J	1.5	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Trichlorofluoromethane	BRL		2.5	5.3	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Vinyl chloride	BRL		2.2	11	ug/Kg-dry	269336	1	10/25/2018 20:51	JB
Surr: 4-Bromofluorobenzene	72.3		0	65-133	%REC	269336	1	10/25/2018 20:51	JB
Surr: Dibromofluoromethane	101		0	75.8-119	%REC	269336	1	10/25/2018 20:51	JB
Surr: Toluene-d8	93.2		0	78.3-120	%REC	269336	1	10/25/2018 20:51	JB
PERCENT MOISTURE D2216									
Percent Moisture	19.7		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	DUP
Project Name:	MTL	**Collection Date:**	10/18/2018 1:50:00 PM
Lab ID:	1810J61-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.92	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,1-Dichloroethane	BRL		0.98	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,1-Dichloroethene	BRL		0.69	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,3-Dichlorobenzene	BRL		0.89	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
2-Butanone	BRL		4.4	35	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
2-Hexanone	BRL		2.7	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
4-Methyl-2-pentanone	BRL		1.8	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Acetone	110		3.5	70	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Benzene	BRL		0.42	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Bromodichloromethane	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Bromoform	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Carbon disulfide	BRL		1.9	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Carbon tetrachloride	BRL		0.93	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Chlorobenzene	BRL		1.0	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Chloroethane	BRL		1.9	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Chloroform	BRL		0.85	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Chloromethane	BRL		1.3	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
cis-1,2-Dichloroethene	150	E	1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Cyclohexane	BRL		0.78	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Dibromochloromethane	BRL		0.95	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Dichlorodifluoromethane	BRL		1.0	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Ethylbenzene	1.2	J	0.35	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Freon-113	BRL		0.91	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Isopropylbenzene	BRL		0.99	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
m,p-Xylene	1.8	J	0.66	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Methyl tert-butyl ether	BRL		0.80	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB

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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	DUP
Project Name:	MTL	**Collection Date:**	10/18/2018 1:50:00 PM
Lab ID:	1810J61-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B (SW5035)									
Methylene chloride	BRL		3.5	14	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
o-Xylene	0.62	J	0.36	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Styrene	BRL		0.92	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Tetrachloroethene	1400		53	170	ug/Kg-dry	269145	50	10/26/2018 00:42	JE
Toluene	1.9	J	0.37	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
trans-1,2-Dichloroethene	6.8		1.2	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
trans-1,3-Dichloropropene	BRL		0.87	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Trichloroethene	61		0.97	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Trichlorofluoromethane	BRL		1.6	3.5	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Vinyl chloride	BRL		1.5	7.0	ug/Kg-dry	269336	1	10/25/2018 17:21	JB
Surr: 4-Bromofluorobenzene	89.9		0	65-133	%REC	269145	50	10/26/2018 00:42	JE
Surr: 4-Bromofluorobenzene	71.3		0	65-133	%REC	269336	1	10/25/2018 17:21	JB
Surr: Dibromofluoromethane	88.6		0	75.8-119	%REC	269145	50	10/26/2018 00:42	JE
Surr: Dibromofluoromethane	98.2		0	75.8-119	%REC	269336	1	10/25/2018 17:21	JB
Surr: Toluene-d8	96.3		0	78.3-120	%REC	269145	50	10/26/2018 00:42	JE
Surr: Toluene-d8	90.6		0	78.3-120	%REC	269336	1	10/25/2018 17:21	JB
PERCENT MOISTURE D2216									
Percent Moisture	14.7		0	0	wt%	R383172	1	10/25/2018 13:30	JW

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: 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	10/18/2018
Lab ID:	1810J61-010	**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	269157	1	10/23/2018 01:09	NP
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	269157	1	10/23/2018 01:09	NP
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	269157	1	10/23/2018 01:09	NP
2-Butanone	BRL		2.5	50	ug/L	269157	1	10/23/2018 01:09	NP
2-Hexanone	BRL		0.67	10	ug/L	269157	1	10/23/2018 01:09	NP
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	269157	1	10/23/2018 01:09	NP
Acetone	BRL		3.6	50	ug/L	269157	1	10/23/2018 01:09	NP
Benzene	BRL		0.37	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Bromodichloromethane	BRL		0.25	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Bromoform	BRL		0.19	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Bromomethane	BRL		0.39	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Carbon disulfide	BRL		0.74	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Carbon tetrachloride	BRL		0.29	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Chlorobenzene	BRL		0.42	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Chloroethane	BRL		0.31	10	ug/L	269157	1	10/23/2018 01:09	NP
Chloroform	BRL		0.20	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Chloromethane	BRL		0.21	10	ug/L	269157	1	10/23/2018 01:09	NP
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	269157	1	10/23/2018 01:09	NP
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Cyclohexane	BRL		1.0	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Dibromochloromethane	BRL		0.43	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Dichlorodifluoromethane	BRL		0.15	10	ug/L	269157	1	10/23/2018 01:09	NP
Ethylbenzene	BRL		0.26	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Freon-113	BRL		0.32	10	ug/L	269157	1	10/23/2018 01:09	NP
Isopropylbenzene	BRL		0.43	5.0	ug/L	269157	1	10/23/2018 01:09	NP
m,p-Xylene	BRL		0.60	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Methyl acetate	BRL		0.42	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Methylcyclohexane	BRL		0.39	5.0	ug/L	269157	1	10/23/2018 01:09	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:** 26-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL	**Collection Date:**	10/18/2018
Lab ID:	1810J61-010	**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	269157	1	10/23/2018 01:09	NP
o-Xylene	BRL		0.18	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Styrene	BRL		0.15	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Tetrachloroethene	BRL		0.46	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Toluene	BRL		0.39	5.0	ug/L	269157	1	10/23/2018 01:09	NP
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	269157	1	10/23/2018 01:09	NP
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Trichloroethene	BRL		0.30	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	269157	1	10/23/2018 01:09	NP
Vinyl chloride	BRL		0.30	2.0	ug/L	269157	1	10/23/2018 01:09	NP
Surr: 4-Bromofluorobenzene	99.1		0	68-127	%REC	269157	1	10/23/2018 01:09	NP
Surr: Dibromofluoromethane	99.2		0	84.4-122	%REC	269157	1	10/23/2018 01:09	NP
Surr: Toluene-d8	105		0	80.1-116	%REC	269157	1	10/23/2018 01:09	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

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Environmental International Corp** AES Work Order Number: **1810J61**

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 1.2 °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). MH 10/19/18

		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). MH 10/19/18

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). MH 10/19/18

Client: Environmental International Corp
Project Name: MTL
Workorder: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269145**

Sample ID: **MB-269145** Client ID: Units: **ug/Kg** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541851**

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269145**

Sample ID: **MB-269145** Client ID: Units: **ug/Kg** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541851**

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	2316	0	2500		92.6	65	133				
Surr: Dibromofluoromethane	2512	0	2500		100	75.8	119				
Surr: Toluene-d8	2571	0	2500		103	78.3	120				

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269145**

Sample ID: **LCS-269145** Client ID: Units: **ug/Kg** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541849**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2902	250	2500		116	64.8	138				
Benzene	2889	250	2500		116	70	126				
Chlorobenzene	2969	250	2500		119	70	124				
Toluene	3030	250	2500		121	70.4	127				
Trichloroethene	3035	250	2500		121	70.4	129				
Surr: 4-Bromofluorobenzene	2421	0	2500		96.8	65	133				
Surr: Dibromofluoromethane	2434	0	2500		97.4	75.8	119				
Surr: Toluene-d8	2548	0	2500		102	78.3	120				

Sample ID: **1810I49-004AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541855**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1578	160	1618		97.5	58.3	138				
Benzene	1779	160	1618		110	66.2	127				
Chlorobenzene	1825	160	1618		113	66	124				
Toluene	1882	160	1618		116	67.4	127				
Trichloroethene	2073	160	1618	260.6	112	64.9	127				
Surr: 4-Bromofluorobenzene	1576	0	1618		97.4	65	133				
Surr: Dibromofluoromethane	1577	0	1618		97.5	75.8	119				
Surr: Toluene-d8	1689	0	1618		104	78.3	120				

Sample ID: **1810I49-004AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541857**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1716	160	1618		106	58.3	138	1578	8.33	20.2	
Benzene	1755	160	1618		108	66.2	127	1779	1.32	18.6	

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269145**

Sample ID: **1810I49-004AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **10/22/2018** Run No: **382827**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269145** Analysis Date: **10/22/2018** Seq No: **8541857**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1803	160	1618		111	66	124	1825	1.25	20	
Toluene	1850	160	1618		114	67.4	127	1882	1.73	20	
Trichloroethene	2070	160	1618	260.6	112	64.9	127	2073	0.172	20	
Surr: 4-Bromofluorobenzene	1576	0	1618		97.4	65	133	1576	0	0	
Surr: Dibromofluoromethane	1575	0	1618		97.3	75.8	119	1577	0	0	
Surr: Toluene-d8	1657	0	1618		102	78.3	120	1689	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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269157**

Sample ID: **MB-269157** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/22/2018** Seq No: **8542132**

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 269157

Sample ID: **MB-269157** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/22/2018** Seq No: **8542132**

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	49.31	0	50.00		98.6	68	127				
Surr: Dibromofluoromethane	49.37	0	50.00		98.7	84.4	122				
Surr: Toluene-d8	51.63	0	50.00		103	80.1	116				

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 269157

Sample ID: **LCS-269157** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/22/2018** Seq No: **8542131**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.09	5.0	50.00		112	69	136				
Benzene	55.48	5.0	50.00		111	73.7	126				
Chlorobenzene	55.87	5.0	50.00		112	73.5	124				
Toluene	58.53	5.0	50.00		117	76.8	125				
Trichloroethene	57.29	5.0	50.00		115	70.9	124				
Surr: 4-Bromofluorobenzene	48.86	0	50.00		97.7	68	127				
Surr: Dibromofluoromethane	49.67	0	50.00		99.3	84.4	122				
Surr: Toluene-d8	52.05	0	50.00		104	80.1	116				

Sample ID: **1810F89-005AMS** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/23/2018** Seq No: **8542134**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2352	250	2500		94.1	65.7	143				
Benzene	2380	250	2500	34.00	93.8	66.1	137				
Chlorobenzene	8624	250	2500	6070	102	70.9	132				
Toluene	2740	250	2500	239.5	100	63.8	141				
Trichloroethene	2404	250	2500		96.1	70.6	128				
Surr: 4-Bromofluorobenzene	2468	0	2500		98.7	68	127				
Surr: Dibromofluoromethane	2398	0	2500		95.9	84.4	122				
Surr: Toluene-d8	2564	0	2500		103	80.1	116				

Sample ID: **1810F89-005AMSD** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/23/2018** Seq No: **8542135**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2360	250	2500		94.4	65.7	143	2352	0.318	17.7	
Benzene	2496	250	2500	34.00	98.5	66.1	137	2380	4.76	20	

Qualifiers:
- > Greater than Result value
- BRL Below reporting limit
- J Estimated value detected below Reporting Limit
- Rpt Lim Reporting Limit
- < Less than Result value
- E Estimated (value above quantitation range)
- N Analyte not NELAC certified
- S Spike Recovery outside limits due to matrix
- B Analyte detected in the associated method blank
- H Holding times for preparation or analysis exceeded
- R RPD outside limits due to matrix

Client: Environmental International Corp
Project Name: MTL
Workorder: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269157**

Sample ID: **1810F89-005AMSD** Client ID: Units: **ug/L** Prep Date: **10/22/2018** Run No: **382883**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269157** Analysis Date: **10/23/2018** Seq No: **8542135**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	8211	250	2500	6070	85.7	70.9	132	8624	4.90	20	
Toluene	2861	250	2500	239.5	105	63.8	141	2740	4.34	20	
Trichloroethene	2529	250	2500		101	70.6	128	2404	5.09	20	
Surr: 4-Bromofluorobenzene	2458	0	2500		98.3	68	127	2468	0	0	
Surr: Dibromofluoromethane	2462	0	2500		98.5	84.4	122	2398	0	0	
Surr: Toluene-d8	2614	0	2500		105	80.1	116	2564	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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 269336

Sample ID: **MB-269336** Client ID: Units: **ug/Kg** Prep Date: **10/25/2018** Run No: **383209**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/25/2018** Seq No: **8550578**

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	12.57	100									J
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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: **269336**

Sample ID: **MB-269336** Client ID: Units: **ug/Kg** Prep Date: **10/25/2018** Run No: **383209**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/25/2018** Seq No: **8550578**

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	44.69	0	50.00		89.4	65	133				
Surr: Dibromofluoromethane	47.46	0	50.00		94.9	75.8	119				
Surr: Toluene-d8	47.30	0	50.00		94.6	78.3	120				

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 269336

Sample ID: **LCS-269336** Client ID: Units: **ug/Kg** Prep Date: **10/25/2018** Run No: **383209**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/25/2018** Seq No: **8550576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	60.18	5.0	50.00		120	64.8	138				
Benzene	54.01	5.0	50.00		108	70	126				
Chlorobenzene	56.49	5.0	50.00		113	70	124				
Toluene	54.77	5.0	50.00		110	70.4	127				
Trichloroethene	58.01	5.0	50.00		116	70.4	129				
Surr: 4-Bromofluorobenzene	46.08	0	50.00		92.2	65	133				
Surr: Dibromofluoromethane	48.45	0	50.00		96.9	75.8	119				
Surr: Toluene-d8	46.47	0	50.00		92.9	78.3	120				

Sample ID: **LCSD-269336** Client ID: Units: **ug/Kg** Prep Date: **10/25/2018** Run No: **383247**
SampleType: **LCSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/26/2018** Seq No: **8551992**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.22	5.0	50.00		102	64.8	138	60.18	16.1	25.7	
Benzene	46.99	5.0	50.00		94.0	70	126	54.01	13.9	20	
Chlorobenzene	47.91	5.0	50.00		95.8	70	124	56.49	16.4	20	
Toluene	47.93	5.0	50.00		95.9	70.4	127	54.77	13.3	20.1	
Trichloroethene	50.05	5.0	50.00		100	70.4	129	58.01	14.7	20.3	
Surr: 4-Bromofluorobenzene	44.80	0	50.00		89.6	65	133	46.08	0	0	
Surr: Dibromofluoromethane	48.73	0	50.00		97.5	75.8	119	48.45	0	0	
Surr: Toluene-d8	47.86	0	50.00		95.7	78.3	120	46.47	0	0	

Sample ID: **1810I83-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **10/25/2018** Run No: **383209**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/25/2018** Seq No: **8551782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.50	5.4	54.27		100	58.3	138				
Benzene	47.13	5.4	54.27		86.8	66.2	127				

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: 1810J61

ANALYTICAL QC SUMMARY REPORT

BatchID: 269336

Sample ID: **1810I83-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **10/25/2018** Run No: **383209**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **269336** Analysis Date: **10/25/2018** Seq No: **8551782**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.35	5.4	54.27		87.2	66	124				
Toluene	47.96	5.4	54.27		88.4	67.4	127				
Trichloroethene	48.39	5.4	54.27		89.2	64.9	127				
Surr: 4-Bromofluorobenzene	47.79	0	54.27		88.1	65	133				
Surr: Dibromofluoromethane	53.65	0	54.27		98.9	75.8	119				
Surr: Toluene-d8	52.04	0	54.27		95.9	78.3	120				

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 4-2
NON-HAZARDOUS WASTE MANIFEST & WEIGHT TICKETS
APRIL 2018

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246646

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 01
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109-25
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 08:56:46	Inbound 1	RB
Out	04/17/2018 08:56:46		RB

Gross	61180 lb
Tare	36020 lb
Net	25160 lb
Tons	12.58

Comments REPLACEMENT TICKET FOR TICKET # 1246645

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	12.58	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	01

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number
N26030

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

N32024 Lat 32 65

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph Swan Sr. Signature: Joseph Swan Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgement of Receipt of Materials
Transporter 1 Printed/Typed Name: R. Nelson Signature: R. Nelson Month 4 Day 17 Year 18
Transporter 2 Printed/Typed Name: Signature: Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JB Signature: JB Month 4 Day 17 Year 18

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246647

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 02
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 08:59:20	Inbound 1	RB
Out	04/17/2018 09:29:43	Outbound	LBEJARAN

Gross	64400 lb
Tare	35900 lb
Net	28500 lb
Tons	14.25

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	14.25	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	02

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number
48544

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph Sliver
Signature: Joseph Sliver
Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy NB20179 UN1632 6F
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 4 Day 7 Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246714

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 03
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 10:51:17	Inbound 1	RB
Out	04/17/2018 10:51:17		RB

Gross	73100 lb
Tare	35680 lb
Net	37420 lb
Tons	18.71

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	18.71	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.7.00

ER Contract No: 711-1052

3

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered_____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wiz
Signature: Joseph S Wiz
Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHER
Signature: R. Mather
Month 4 Day 17 Year 18
Transporter 2 Printed/Typed Name: NBZ024 WR1632 GF
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JB
Signature: JB
Month 4 Day 17 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246710

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 04
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 10:44:09	Inbound 1	RB
Out	04/17/2018 10:44:09		RB

Gross	78920 lb
Tare	34420 lb
Net	44500 lb
Tons	22.25

Comments REPLACEMENT TICKET FOR TICKET # 1246709

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	22.25	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev:1.00

ER Contract No: 711-1052

4

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wiel
Signature: [signature]
Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jamesfield
Signature: [signature]
Month Day Year

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy NB2074 WA1632 GO

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 4 Day 17 Year 18

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246777

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 05
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 12:34:54	Inbound 1	LBEJARAN
Out	04/17/2018 13:02:47	Outbound	RB

Comments

Gross	64260 lb
Tare	36400 lb
Net	27860 lb
Tons	13.93

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	13.93	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

RM

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0 5

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA		CM	22 00	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Empty Drums Delivered
Empty Drums Pick-up

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.
Generator's/Offeror's Printed/Typed Name: Joseph S Wise
Signature: Joseph S Wise
Month 4 Day 17 Year 16

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RICHARD MATHER
Signature: R. Mather
Month Day Year
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy: N32WM4 W81632 65
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 4 Day 17 Year 16

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERAT

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246841

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 06
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 14:09:05	Inbound 1	RB
Out	04/17/2018 14:09:05		RB

Gross	66860 lb
Tare	35900 lb
Net	30960 lb
Tons	15.48

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	15.48	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

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403WM

ER Contract No. 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 6

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wien SR
Signature: Joseph S Wien SR
Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature:
Month Day Year

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
NB 20114 WH1632 6r

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month 4 Day 17 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246881

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 07
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 15:26:43	Inbound 1	RB
Out	04/17/2018 15:26:43		RB

Gross	63920 lb
Tare	35680 lb
Net	28240 lb
Tons	14.12

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	14.12	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22 GCC	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wiz
Signature: [signature]
Month 4 Day 18 Year 19

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RAZARD MATHER
Signature: [signature]
Month 4 Day 17 Year 16
Transporter 2 Printed/Typed Name: NS2009 WS1632 GF
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 4 Day 17 Year 19

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246783

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 08
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 12:42:03	Inbound 1	LBEJARAN
Out	04/17/2018 12:42:03		LBEJARAN

Gross	64040 lb
Tare	35900 lb
Net	28140 lb
Tons	14.07

Comments

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	14.07	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 8

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

N320129W811632 Exo65 Ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wise
Signature: Joseph S Wise
Month Day Year: 4 17 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature: [signature]
Month Day Year

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: RB
Signature: RB
Month Day Year: 4 17 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246901

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/17/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 09
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/17/2018 16:22:10	Inbound 1	lbejaran
Out	04/17/2018 16:22:10		lbejaran

Gross	64260 lb
Tare	35900 lb
Net	28360 lb
Tons	14.18

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	14.18	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	07

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	2200	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wie
Signature: Joseph S Wie
Month Day Year: 4/7/18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature:
Month Day Year

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
NS2024 WH1632 05

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year: 4/7/18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1246958

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 010
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator		
In	04/18/2018 07:49:04	Inbound 1	RB	Gross	67740 lb
Out	04/18/2018 07:49:04		RB	Tare	34420 lb
				Net	33320 lb
				Tons	16.66

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.66	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 10

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

N320129W811632 E65ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wm
Signature: Joseph S Wm
Month 4 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature: [signature]
Month Day Year

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 4 Day 18 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247006

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 011
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator		
In	04/18/2018 09:19:06	Inbound 1	lbejaran	Gross	61400 lb
Out	04/18/2018 09:19:06		lbejaran	Tare	36400 lb
				Net	25000 lb
				Tons	12.50

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	12.50	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 11

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 691-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

N320129W811632E65ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph Stiller
Signature: Joseph Stiller
Month 4 Day 17 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHER
Signature: R. Mather
Month 4 Day 17 Year 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: RB
Signature: RB
Month 4 Day 18 Year 18

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247063

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 012
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/18/2018 11:14:02	Inbound 1	LBEJARAN
Out	04/18/2018 11:14:02		LBEJARAN

Gross	59980 lb
Tare	35680 lb
Net	24300 lb
Tons	12.15

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	12.15	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev:1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wierse | Signature: [signature] | Month 4 Day 18 Year 16

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHER | Signature: [signature] | Month 4 Day 17 Year 16
Transporter 2 Printed/Typed Name | Signature | Month Day Year

17. Discrepancy NB2012A CS1632 CS
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name | Signature | Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247013

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 013
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/18/2018 09:37:09	Inbound 1	lbejaran
Out	04/18/2018 09:37:09		lbejaran

Gross	62900 lb
Tare	34420 lb
Net	28480 lb
Tons	14.24

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	14.24	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL REV:1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 13

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wier
Signature: Joseph S Wier
Month 9 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature: [signature]
Month 9 Day 18 Year 18

Transporter 2 Printed/Typed Name: N320129W811632E05ft
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 9 Day 18 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247062

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 014
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator		
In	04/18/2018 11:12:10	Inbound 1	LBEJARAN	Gross	66180 lb
Out	04/18/2018 11:12:10		LBEJARAN	Tare	34420 lb
				Net	31760 lb
				Tons	15.88

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	15.88	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	014

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wiese Sr
Signature: Joseph S Wiese Sr
Month 4 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature:
Month 4 Day 18 Year 18
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy N3Zwica WB1632 65
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 4 Day 18 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247115

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 015
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator		
In	04/18/2018 12:47:54	Inbound 1	RB	Gross	67320 lb
Out	04/18/2018 12:47:54		RB	Tare	34420 lb
				Net	32900 lb
				Tons	16.45

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.45	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0 15

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name: ATLANTIC WASTE SERVICES — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number:
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wicer Sr — Signature: Joseph S Wicer Sr — Month 4 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields — Signature — Month Day Year
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy NS20124 W31132 65

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247116

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 016
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/18/2018 12:49:39	Inbound 1	RB
Out	04/18/2018 12:49:39		RB

Gross	69620 lb
Tare	35680 lb
Net	33940 lb
Tons	16.97

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.97	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL REV.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 1716

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wiar SR
Signature: Joseph S Wiar SR
Month 4 Day 18 Year 16

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHEK
Signature: R. Mathek
Month 4 Day 18 Year 16
Transporter 2 Printed/Typed Name: NB2024 LM1632
Signature: CO
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JB
Signature:
Month 4 Day 18 Year 16

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247199

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 017
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/18/2018 15:18:37	Inbound 1	RB
Out	04/18/2018 15:18:37		RB

Gross	63860 lb
Tare	36400 lb
Net	27460 lb
Tons	13.73

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	13.73	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0 17

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name: ATLANTIC WASTE SERVICES — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number:
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	2200	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wier — Signature: Joseph S Wier — Month 4 Day 18 Year 18

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RICHARD MATHER — Signature: R. Mather — Month 4 Day 18 Year 18
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
17. Discrepancy N320125 WM16320 GF
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JB — Signature: JB — Month 4 Day 18 Year 18

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247250

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 018
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/19/2018 06:44:14	Inbound 1	rb
Out	04/19/2018 06:44:14		rb

Comments

Gross	69940 lb
Tare	35900 lb
Net	34040 lb
Tons	17.02

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	17.02	Tons				
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW
								PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 18

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered
Empty Drums Pick-up

N320129W81632E65ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wier
Signature: Joseph S Wier
Month 4 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature: [signature]
Month 4 Day 18 Year 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 4 Day 19 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247257

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 019
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/19/2018 06:55:00	Inbound 1	rb
Out	04/19/2018 06:55:00		rb

Gross	67280 lb
Tare	35680 lb
Net	31600 lb
Tons	15.80

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	15.80	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 19

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____
N320129W811632E65ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wier
Signature: Joseph S Wier
Month 4 Day 18 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHER
Signature: R. Mather
Month 4 Day 18 Year 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 4 Day 18 Year 16

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247177

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/18/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 020
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113-25 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/18/2018 14:34:56	Inbound 1	LBEJARAN
Out	04/18/2018 14:34:56		LBEJARAN

Gross	67160 lb
Tare	35900 lb
Net	31260 lb
Tons	15.63

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	15.63	Tons				SAVANNAH
2	EVF-P-Standard Env	100		%				SAVANNAH
3	FUEL-Fuel Surcharg	100		%				SAVANNAH
4	RCR-P-Regulatory C	100		%				SAVANNAH

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GAD981244767
2. Page 1 of 1
3. Emergency Response Phone: 888-645-6654
4. Waste Tracking Number: 0 20

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 691-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name: ATLANTIC WASTE SERVICES
U.S. EPA ID Number:

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

N32 01 29 W81 16 32 E65ft

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wilk
Signature: Joseph S Wilk
Month Day Year: 4 18 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature:
Month Day Year: 4 18 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247557

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 021
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109 Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/19/2018 16:25:58	Inbound 1	lbejaran
Out	04/19/2018 16:25:58		lbejaran

Gross	68440 lb
Tare	35680 lb
Net	32760 lb
Tons	16.38

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.38	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev.1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0 21

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph Swier
Signature: Joseph Swier
Month 4 Day 19 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature:
Month 4 Day 19 Year 18

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy NB20174 WM1632 65

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month 4 Day 19 Year 01

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247411

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 022
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 113
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/19/2018 11:31:10	Inbound 1	LBEJARAN
Out	04/19/2018 11:31:10		LBEJARAN

Gross	67880 lb
Tare	34420 lb
Net	33460 lb
Tons	16.73

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.73	Tons				SAVANNAH
2	EVF-P-Standard Env	100		%				SAVANNAH
3	FUEL-Fuel Surcharg	100		%				SAVANNAH
4	RCR-P-Regulatory C	100		%				SAVANNAH

Total Tax
Total Ticket

403WM

NONHAZ 0

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number GAD981244767	2. Page 1 of 1	3. Emergency Response Phone 888-645-6654	4. Waste Tracking Number 0 22

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22000	P
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wise
Signature: Joseph S Wise
Month 4 Day 19 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Fields
Signature: [signature]
Month 4 Day 19 Year 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy N320125 W81632 65
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: [signature]
Signature: [signature]
Month 4 Day 19 Year 18

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERA

WASTE MANAGEMENT

Superior Landfill
3001 Little Neck Rd
Savannah, GA, 31419
Ph: (912) 927-6113

Original
Ticket# 1247328

Customer Name MCFENVSVCS MCF ENVIRONMENTAL
Ticket Date 04/19/2018
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 023
Destination
PO
Profile 407273GA (SOIL FROM REMEDIATION PROJECT)
Generator 126-MCKENZIETL-PORTWENTWORTH MCKENZIE TANK LINES

Carrier ATLANTICWASTESE ATLANTICWASTESERVICE
Vehicle# 109
Volume
Container
Driver
Check#
Billing # 0001184
Gen EPA ID

	Time	Scale	Operator
In	04/19/2018 09:11:54	Inbound 1	RB
Out	04/19/2018 09:11:54		RB

Gross	69160 lb
Tare	35680 lb
Net	33480 lb
Tons	16.74

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil Sp. W.-T	100	16.74	Tons				PORTW
2	EVF-P-Standard Env	100		%				PORTW
3	FUEL-Fuel Surcharg	100		%				PORTW
4	RCR-P-Regulatory C	100		%				PORTW

Total Tax
Total Ticket

403WM

NONHAZ UNIVERSAL Rev:1.00

ER Contract No: 711-1052

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	GAD981244767	1	888-645-6654	0 23

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407
Generator's Phone: (904) 591-8384 County:.

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407
Ter:SCE 711-1052

6. Transporter 1 Company Name
ATLANTIC WASTE SERVICES
U.S. EPA ID Number

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Superior Landfill & Recycling Center
3001 Little Neck Road Savannah GA 31419
Facility's Phone: (912) 927-6113
U.S. EPA ID Number

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Regulated Solids (Soil) WM DISPOSAL OF SOIL 407273GA	1	CM	22,000	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Empty Drums Delivered _____
Empty Drums Pick-up _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Joseph S Wier
Signature: Joseph S Wier
Month 4 Day 19 Year 18

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RASHARD MATHER
Signature: R. Mather
Month 4 Day 19 Year 18
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy N320124 WB1632 65
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: JB
Signature
Month 4 Day 19 Year 18

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 4-3 HAZARDOUS WASTE MANIFEST & RECEIPT OF WASTE SHIPMENT

MAY 2018

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

ER Contract No: 711-1052

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: GAD981244767
2. Page 1 of 1
3. Emergency Response Phone: 888-645-6654
4. Manifest Tracking Number: 018875695 JJK

5. Generator's Name and Mailing Address
MCKENZIE TANK LINES
111 GRANGE RD
PORT WENTWORTH GA 31407

Generator's Site Address (if different than mailing address)
Shipping Address: 111 GRANGE RD PORT WENTWORTH, GA 31407

Generator's Phone: (904) 591-8384 County: 0 Ter:SCE 711E1052

6. Transporter 1 Company Name: MCF ENVIRONMENTAL SERVICES, INC.
U.S. EPA ID Number: GAR000061564

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM, INC - EMELLE
36964 ALABAMA HWY 17 EMELLE AL 35459
U.S. EPA ID Number: ALD000622464

Facility's Phone: (800) 652-5755

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1 RQ, UN2811, Waste Toxic Solids, Organic, n.o.s., (Tetrachloroethylene), 6.1, II WM HAZARDOUS SOLIDS SOIL GA617725	001	CM	20	P	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
11a. ERG# 154 Empty Drums Delivered
Empty Drums Pick-up

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John M. Elrod
Signature:
Month 05 Day 08 Year 18

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Darrell Clark
Signature:
Month 5 Day 8 Year 18

Transporter 2 Printed/Typed Name: Damon Price
Signature:
Month 5 Day 9 Year 18

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jessica Harris
Signature:
Month 05 Day 09 Year 18

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Chemical Waste Management
P.O. Box 55
36964 Alabama Hwy 17
Emelle, AL 35459-0055
(205)652-9721

MCKENZIE TANK LINES
111 GRANGE ROAD

PORT WENTWORTH,GA 31407

Site Infomation

MCKENZIE TANK LINES
111 GRANGE ROAD

PORT WENTWORTH,GA 31407-

ACKNOWLEDGEMENT OF RECEIPT OF WASTE SHIPMENT

Generator Name: MCKENZIE TANK LINES
Enclosed is/are your Generator Number Two copy / copies for Alabama Manifest Numbers:

018875695JJK

This copy is to acknowledge that Chemical Waste Management, Inc., of Emelle, Alabama has received your shipment. As a requirement of 40 CFR 264.12 (b), this letter serves to inform you that this facility has the proper permits and will accept your shipment upon completion of waste analysis procedures specified in the facility's Waste Analysis Plan and as determined in the approval waste profile submitted for this/these wastes.

As of September 26, 1997, Chemical Waste Management, Inc., Emelle Alabama (ALD000622464) is operating under a AHWMMA Permit, issued by the Alabama Department of Environmental Management. (RCRA)

Al Talbott
Safety Manager

May 30, 2018

RECEIVED
JUN 18 2018

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 6-1 LABORATORY ANALYTCIAL RESULTS FOR ZONE 3 SOIL SAMPLING SEPTEMBER/OCTOBER 2018

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 01, 2018

Stephen Helmly
Environmental International Corp

161 Kimball Bridge Rd
Alpharetta GA 30009

RE: MTL-PWW

Dear Stephen Helmly: Order No: 1809J55

Analytical Environmental Services, Inc. received 40 samples on 9/21/2018 6:53:00 PM 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:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-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 11/01/19.
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: 1809J55

Date: 9/21/18 Page 1 of 3

COMPANY: Environmental International Corp.

ADDRESS: 161 Kimball Bridge Rd Suite 100 Alpharetta, GA 30009

PHONE: 770-772-7100

EMAIL: shelmly@eicusa.com

SAMPLED BY: Robert Andrews / Chris Sinquetiv

SIGNATURE: [signature] / [signature]

ANALYSIS REQUESTED: VOCs 8260D

PRESERVATION (see codes): S/M+I

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	VOCs 8260D	REMARKS	Number of Containers
1	✓ A-1	9/19/18	1027	X		SO	X		4
2	✓ B-1	9/19/18	1116	X		SO			
3	✓ C-1	9/19/18	1135	X		SO			
4	✓ D-1	9-19-18	1240	X		SO			
5	✓ E-1	9/19/18	1421	X		SO			
6	✓ A-2	9-19/18	1447	X		SO			
7	✓ B-2	9/19/18	1503	X		SO			
8	✓ C-2	9/19/18	1526	X		SO			
9	✓ D-2	9/19/18	1550	X		SO			
10	✓ E-2	9/19/18	1620	X		SO			
11	✓ F-2	9/20/18	752	X		SO			
12	✓ G-2	9/20/18	812	X		SO			
13	✓ A-3	9/20/18	830	X		SO			
14	✓ B-3	9/20/18	855	X		SO			

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	9/21/18 653	1. [signature]	9/21/18 653
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS: Place samples in alpha/numerical order on report.

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: MTL - PWW
PROJECT #: 460009
SITE ADDRESS: GPA
SEND REPORT TO: shelmly@eicusa.com
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 160

Turnaround Time (TAT) Request
- [X] Standard
- [ ] 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. Client assumes sole responsibility for damage or loss of samples before we accept them. 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 arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater 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

7.11.18_CO

White Copy - Original; Yellow Copy - Client

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: 1809J55

Date: 9/21/18 Page 2 of 3

COMPANY: Same as

ADDRESS: Page 1.

PHONE:

EMAIL:

SAMPLED BY: Robert Andrews / Chris Singlefield

SIGNATURE:

ANALYSIS REQUESTED: VOCs 8260

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): SM+I	REMARKS	Number of Containers
1	✓ C-3	9-20	915	X		SO	X		4
2	✓ D-3	9-20	940	X		SO			
3	✓ E-3	9-20	1012	X		SO			
4	✓ F-3	9-20	1045	X		SO			
5	✓ G-3	9-20	1055	X		SO			
6	✓ A-5	9/20	1341	X		SO			
7	✓ A-4	9/20	1339	X		SO			
8	✓ B-5	9/20	1421	X		SO			
9	✓ B-4	9/20	1624	X		SO			
10	✓ ~~C-5~~ C-5 (RA)	9/20	1632	X		SO			
11	✓ D-4	9/20	1713	X		SO			
12	✓ ~~E-4~~ (RA) E-4	9/20	1734	X		SO			
13	✓ C-4	9/20	1725	X		SO			
14	✓ F-4	9/20	1807	X		SO			

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/21/18 653	1.	9/21/18 653
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS: Place samples in alpha/numerical order on report.

SHIPMENT METHOD
OUT: / / VIA:
IN: X / VIA:
client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME:
PROJECT #: Same
SITE ADDRESS: as
SEND REPORT TO: Page 1.
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers 14

Turnaround Time (TAT) Request
[X] Standard
[ ] 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 ○

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7.11.18_CO

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater 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.
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: 1809J55

Date: 9/21/18 Page 3 of 3

COMPANY: Same as Page 1.

ADDRESS:

PHONE:

EMAIL:

SAMPLED BY: Robert Andrews / Chris Singerfield

SIGNATURE:

ANALYSIS REQUESTED: VOCs 8260D

PRESERVATION (see codes): S/M +I

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	VOCs 8260D	REMARKS	Number of Containers
1	✓ F-5	9/20/18	1845	X		SO	X		4
2	✓ G-4	9/20/18	1856	X		SO			
3	✓ G-5	9/20/18	1918	X		SO			
4	✓ G-6	9/21/18	817	X		SO			
5	✓ H-6	9/21/18	845	X		SO			
6	✓ I-6	9/21/18	932	X		SO			
7	✓ I-5	9/21/18	942	X		SO			
8	~~I-4~~ (RA)	~~9/21/18~~	~~954~~	~~X~~		~~SO~~			
9	✓ H-4	9/21/18	954	X		SO			
10	✓ H-5	9/21/18	958	X		SO			
11	✓ H-5A	9/21/18	1029	X		SO			8
12	✓ Trip Blank	9/21/18	—			W			2
13	✓ Trip Blank	9/21/18	—			W			4
14	EB-1	9-21-18	1208			W			

RELINQUISHED BY: DATE/TIME:
1. 9/21/18 653
2.
3.

RECEIVED BY: DATE/TIME:
1. 9/21/18 653
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS: Place samples in alphal numerical order on report.

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
Client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: Same
PROJECT #:
SITE ADDRESS: as
SEND REPORT TO: Page 1.
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 16

Turnaround Time (TAT) Request
[X] Standard
[ ] 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 ○

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7.11.18_CO

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater 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: 1-Oct-18

Client: Environmental International Corp
Project: MTL-PWW
Lab ID: 1809J55

Case Narrative

Login Remarks:

Per client request on the Chain of Custody, samples were logged in by alpha/numerical order.

Sample Receiving Nonconformance:

The equipment blank was submitted in sodium bisulfate/methanol vials and a 2 oz jar filled with water. This sample (1809J55-041) was logged in and placed on hold. Per Stephen Helmly via email on 9/24/2018 at 5:56 pm, do not proceed with analysis of the equipment blank.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1809J55-021A, -028A, & -029 A 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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 10:27:00 AM
Lab ID:	1809J55-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,1,2-Trichloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,1-Dichloroethane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,1-Dichloroethene	BRL		0.76	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2-Dibromoethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2-Dichlorobenzene	BRL		1.3	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2-Dichloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,2-Dichloropropane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,3-Dichlorobenzene	BRL		0.98	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
1,4-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
2-Butanone	BRL		4.8	39	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
2-Hexanone	BRL		3.0	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
4-Methyl-2-pentanone	BRL		2.0	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Acetone	200		3.9	77	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Benzene	BRL		0.46	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Bromodichloromethane	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Bromoform	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Bromomethane	BRL		1.7	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Carbon disulfide	BRL		2.1	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Carbon tetrachloride	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Chlorobenzene	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Chloroethane	BRL		2.1	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Chloroform	BRL		0.93	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Chloromethane	BRL		1.4	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
cis-1,2-Dichloroethene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
cis-1,3-Dichloropropene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Cyclohexane	BRL		0.86	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Dibromochloromethane	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Dichlorodifluoromethane	BRL		1.1	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Ethylbenzene	BRL		0.39	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Freon-113	BRL		1.0	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Isopropylbenzene	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
m,p-Xylene	BRL		0.73	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Methyl acetate	BRL		2.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Methyl tert-butyl ether	BRL		0.88	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Methylcyclohexane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 10:27:00 AM
Lab ID:	1809J55-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.9	15	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
o-Xylene	BRL		0.40	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Styrene	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Tetrachloroethene	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Toluene	BRL		0.41	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
trans-1,2-Dichloroethene	BRL		1.3	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
trans-1,3-Dichloropropene	BRL		0.96	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Trichloroethene	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Trichlorofluoromethane	BRL		1.8	3.9	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Vinyl chloride	BRL		1.6	7.7	ug/Kg-dry	267676	1	09/24/2018 17:18	AR
Surr: 4-Bromofluorobenzene	100		0	65-133	%REC	267676	1	09/24/2018 17:18	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267676	1	09/24/2018 17:18	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 17:18	AR
PERCENT MOISTURE D2216									
Percent Moisture	21.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 2:48:00 PM
Lab ID:	1809J55-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.97	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,1-Dichloroethene	BRL		0.72	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2-Dibromoethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,3-Dichlorobenzene	BRL		0.94	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Acetone	81		3.7	73	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Bromodichloromethane	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Bromoform	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Carbon tetrachloride	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Chloroform	BRL		0.89	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
cis-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Dibromochloromethane	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Freon-113	BRL		0.96	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
m,p-Xylene	BRL		0.69	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Methyl tert-butyl ether	BRL		0.84	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 2:48:00 PM
Lab ID:	1809J55-002	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Styrene	BRL		0.96	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
trans-1,3-Dichloropropene	BRL		0.91	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Vinyl chloride	BRL		1.6	7.3	ug/Kg-dry	267676	1	09/24/2018 17:43	AR
Surr: 4-Bromofluorobenzene	104		0	65-133	%REC	267676	1	09/24/2018 17:43	AR
Surr: Dibromofluoromethane	108		0	75.8-119	%REC	267676	1	09/24/2018 17:43	AR
Surr: Toluene-d8	104		0	78.3-120	%REC	267676	1	09/24/2018 17:43	AR
PERCENT MOISTURE D2216									
Percent Moisture	16.3		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:30:00 AM
Lab ID:	1809J55-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,1-Dichloroethene	BRL		0.73	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,3-Dichlorobenzene	BRL		0.95	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
2-Hexanone	BRL		2.9	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
4-Methyl-2-pentanone	BRL		1.9	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Acetone	11	J	3.8	74	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Bromomethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Carbon disulfide	BRL		2.0	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Carbon tetrachloride	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Chloroethane	BRL		2.0	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Chloroform	BRL		0.90	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Chloromethane	BRL		1.4	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
cis-1,2-Dichloroethene	BRL		1.4	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Cyclohexane	BRL		0.83	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Dichlorodifluoromethane	BRL		1.1	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Freon-113	BRL		0.97	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
m,p-Xylene	BRL		0.70	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Methyl tert-butyl ether	BRL		0.85	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:30:00 AM
Lab ID:	1809J55-003	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Styrene	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Toluene	BRL		0.40	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
trans-1,3-Dichloropropene	BRL		0.92	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Vinyl chloride	BRL		1.6	7.4	ug/Kg-dry	267676	1	09/24/2018 19:40	AR
Surr: 4-Bromofluorobenzene	85.8		0	65-133	%REC	267676	1	09/24/2018 19:40	AR
Surr: Dibromofluoromethane	106		0	75.8-119	%REC	267676	1	09/24/2018 19:40	AR
Surr: Toluene-d8	100		0	78.3-120	%REC	267676	1	09/24/2018 19:40	AR
PERCENT MOISTURE D2216									
Percent Moisture	16.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 1:39:00 PM
Lab ID:	1809J55-004	**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	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,1,2-Trichloroethane	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,1-Dichloroethane	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,1-Dichloroethene	BRL		0.80	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2,4-Trichlorobenzene	BRL		1.6	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2-Dibromoethane	BRL		1.3	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2-Dichlorobenzene	BRL		1.3	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2-Dichloroethane	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,2-Dichloropropane	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,3-Dichlorobenzene	BRL		1.0	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
1,4-Dichlorobenzene	BRL		1.4	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
2-Butanone	BRL		5.0	40	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
2-Hexanone	BRL		3.1	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
4-Methyl-2-pentanone	BRL		2.1	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Acetone	BRL		4.1	81	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Benzene	BRL		0.48	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Bromodichloromethane	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Bromoform	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Bromomethane	BRL		1.8	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Carbon disulfide	BRL		2.2	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Carbon tetrachloride	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Chlorobenzene	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Chloroethane	BRL		2.2	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Chloroform	BRL		0.98	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Chloromethane	BRL		1.5	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
cis-1,2-Dichloroethene	BRL		1.5	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
cis-1,3-Dichloropropene	BRL		1.5	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Cyclohexane	BRL		0.90	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Dibromochloromethane	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Dichlorodifluoromethane	BRL		1.2	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Ethylbenzene	BRL		0.41	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Freon-113	BRL		1.1	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Isopropylbenzene	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
m,p-Xylene	BRL		0.76	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Methyl acetate	BRL		2.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Methyl tert-butyl ether	BRL		0.92	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Methylcyclohexane	BRL		1.3	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 1:39:00 PM
Lab ID:	1809J55-004	**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	267676	1	09/24/2018 20:05	AR
o-Xylene	BRL		0.42	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Styrene	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Tetrachloroethene	BRL		1.2	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Toluene	BRL		0.43	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
trans-1,2-Dichloroethene	BRL		1.4	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
trans-1,3-Dichloropropene	BRL		1.0	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Trichloroethene	BRL		1.1	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Trichlorofluoromethane	BRL		1.9	4.0	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Vinyl chloride	BRL		1.7	8.1	ug/Kg-dry	267676	1	09/24/2018 20:05	AR
Surr: 4-Bromofluorobenzene	102		0	65-133	%REC	267676	1	09/24/2018 20:05	AR
Surr: Dibromofluoromethane	101		0	75.8-119	%REC	267676	1	09/24/2018 20:05	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 20:05	AR
PERCENT MOISTURE D2216									
Percent Moisture	19.4		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 1:51:00 PM
Lab ID:	1809J55-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,1-Dichloroethene	BRL		0.74	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,3-Dichlorobenzene	BRL		0.96	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
1,4-Dichlorobenzene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
2-Hexanone	BRL		2.9	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
4-Methyl-2-pentanone	BRL		1.9	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Acetone	BRL		3.8	75	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Carbon disulfide	BRL		2.1	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Chloroethane	BRL		2.0	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Chloroform	BRL		0.91	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Chloromethane	BRL		1.4	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
cis-1,2-Dichloroethene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
cis-1,3-Dichloropropene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Cyclohexane	BRL		0.84	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Dichlorodifluoromethane	BRL		1.1	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Freon-113	BRL		0.98	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
m,p-Xylene	BRL		0.71	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Methyl tert-butyl ether	BRL		0.86	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	A-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 1:51:00 PM
Lab ID:	1809J55-005	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Styrene	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Tetrachloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Toluene	BRL		0.40	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
trans-1,3-Dichloropropene	BRL		0.93	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Trichloroethene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Vinyl chloride	BRL		1.6	7.5	ug/Kg-dry	267676	1	09/24/2018 18:09	AR
Surr: 4-Bromofluorobenzene	99.1		0	65-133	%REC	267676	1	09/24/2018 18:09	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267676	1	09/24/2018 18:09	AR
Surr: Toluene-d8	104		0	78.3-120	%REC	267676	1	09/24/2018 18:09	AR
PERCENT MOISTURE D2216									
Percent Moisture	10.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 11:16:00 AM
Lab ID:	1809J55-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,1,2-Trichloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,1-Dichloroethane	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,1-Dichloroethene	BRL		0.85	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2,4-Trichlorobenzene	BRL		1.7	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2-Dibromo-3-chloropropane	BRL		1.8	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2-Dibromoethane	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2-Dichlorobenzene	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2-Dichloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,2-Dichloropropane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,3-Dichlorobenzene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
1,4-Dichlorobenzene	BRL		1.5	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
2-Butanone	BRL		5.4	43	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
2-Hexanone	BRL		3.3	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
4-Methyl-2-pentanone	BRL		2.2	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Acetone	BRL		4.4	86	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Benzene	BRL		0.51	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Bromodichloromethane	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Bromoform	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Bromomethane	BRL		1.9	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Carbon disulfide	BRL		2.4	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Carbon tetrachloride	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Chlorobenzene	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Chloroethane	BRL		2.3	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Chloroform	BRL		1.0	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Chloromethane	BRL		1.6	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
cis-1,2-Dichloroethene	BRL		1.6	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
cis-1,3-Dichloropropene	BRL		1.6	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Cyclohexane	BRL		0.96	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Dibromochloromethane	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Dichlorodifluoromethane	BRL		1.3	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Ethylbenzene	BRL		0.43	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Freon-113	BRL		1.1	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Isopropylbenzene	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
m,p-Xylene	BRL		0.82	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Methyl acetate	BRL		2.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Methyl tert-butyl ether	BRL		0.99	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Methylcyclohexane	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 11:16:00 AM
Lab ID:	1809J55-006	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.3	17	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
o-Xylene	BRL		0.45	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Styrene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Tetrachloroethene	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Toluene	BRL		0.46	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
trans-1,2-Dichloroethene	BRL		1.5	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
trans-1,3-Dichloropropene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Trichloroethene	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Trichlorofluoromethane	BRL		2.0	4.3	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Vinyl chloride	BRL		1.8	8.6	ug/Kg-dry	267676	1	09/24/2018 18:36	AR
Surr: 4-Bromofluorobenzene	99		0	65-133	%REC	267676	1	09/24/2018 18:36	AR
Surr: Dibromofluoromethane	106		0	75.8-119	%REC	267676	1	09/24/2018 18:36	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 18:36	AR
PERCENT MOISTURE D2216									
Percent Moisture	25.7		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:03:00 PM
Lab ID:	1809J55-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.93	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,1-Dichloroethane	BRL		0.99	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,1-Dichloroethene	BRL		0.69	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,3-Dichlorobenzene	BRL		0.90	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
2-Butanone	BRL		4.4	35	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
2-Hexanone	BRL		2.7	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
4-Methyl-2-pentanone	BRL		1.8	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Acetone	BRL		3.6	70	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Benzene	BRL		0.42	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Bromodichloromethane	BRL		0.96	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Bromoform	BRL		0.96	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Carbon disulfide	BRL		1.9	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Carbon tetrachloride	BRL		0.94	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Chlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Chloroethane	BRL		1.9	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Chloroform	BRL		0.85	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Chloromethane	BRL		1.3	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
cis-1,2-Dichloroethene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Cyclohexane	BRL		0.79	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Dibromochloromethane	BRL		0.96	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Dichlorodifluoromethane	BRL		1.0	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Ethylbenzene	BRL		0.35	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Freon-113	BRL		0.92	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Isopropylbenzene	BRL		0.99	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
m,p-Xylene	BRL		0.67	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Methyl tert-butyl ether	BRL		0.80	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:03:00 PM
Lab ID:	1809J55-007	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.5	14	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
o-Xylene	BRL		0.36	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Styrene	BRL		0.93	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Tetrachloroethene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Toluene	1.2	J	0.37	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
trans-1,2-Dichloroethene	BRL		1.2	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
trans-1,3-Dichloropropene	BRL		0.87	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Trichloroethene	BRL		0.97	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Trichlorofluoromethane	BRL		1.7	3.5	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Vinyl chloride	BRL		1.5	7.0	ug/Kg-dry	267676	1	09/24/2018 20:31	AR
Surr: 4-Bromofluorobenzene	102		0	65-133	%REC	267676	1	09/24/2018 20:31	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267676	1	09/24/2018 20:31	AR
Surr: Toluene-d8	105		0	78.3-120	%REC	267676	1	09/24/2018 20:31	AR
PERCENT MOISTURE D2216									
Percent Moisture	16.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:55:00 AM
Lab ID:	1809J55-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,1-Dichloroethene	BRL		0.74	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,3-Dichlorobenzene	BRL		0.96	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
1,4-Dichlorobenzene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
2-Hexanone	BRL		2.9	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
4-Methyl-2-pentanone	BRL		1.9	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Acetone	BRL		3.8	75	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Carbon disulfide	BRL		2.1	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Chloroethane	BRL		2.0	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Chloroform	BRL		0.91	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Chloromethane	BRL		1.4	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
cis-1,2-Dichloroethene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
cis-1,3-Dichloropropene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Cyclohexane	BRL		0.84	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Dichlorodifluoromethane	BRL		1.1	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Freon-113	BRL		0.98	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
m,p-Xylene	BRL		0.71	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Methyl acetate	BRL		1.9	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Methyl tert-butyl ether	BRL		0.86	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:55:00 AM
Lab ID:	1809J55-008	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Styrene	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Tetrachloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Toluene	BRL		0.40	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
trans-1,3-Dichloropropene	BRL		0.93	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Trichloroethene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Vinyl chloride	BRL		1.6	7.5	ug/Kg-dry	267676	1	09/24/2018 20:58	AR
Surr: 4-Bromofluorobenzene	98		0	65-133	%REC	267676	1	09/24/2018 20:58	AR
Surr: Dibromofluoromethane	104		0	75.8-119	%REC	267676	1	09/24/2018 20:58	AR
Surr: Toluene-d8	104		0	78.3-120	%REC	267676	1	09/24/2018 20:58	AR
PERCENT MOISTURE D2216									
Percent Moisture	19.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 4:24:00 PM
Lab ID:	1809J55-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,1-Dichloroethene	BRL		0.74	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,3-Dichlorobenzene	BRL		0.97	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
1,4-Dichlorobenzene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
2-Hexanone	BRL		2.9	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
4-Methyl-2-pentanone	BRL		2.0	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Acetone	BRL		3.8	76	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Carbon disulfide	BRL		2.1	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Chloroethane	BRL		2.0	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Chloroform	BRL		0.91	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Chloromethane	BRL		1.4	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
cis-1,2-Dichloroethene	4.9		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
cis-1,3-Dichloropropene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Cyclohexane	BRL		0.84	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Dichlorodifluoromethane	BRL		1.1	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Freon-113	BRL		0.99	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
m,p-Xylene	BRL		0.71	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Methyl tert-butyl ether	BRL		0.86	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 4:24:00 PM
Lab ID:	1809J55-009	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Styrene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Tetrachloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Toluene	BRL		0.40	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
trans-1,3-Dichloropropene	BRL		0.94	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Trichloroethene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Vinyl chloride	2.6	J	1.6	7.6	ug/Kg-dry	267676	1	09/24/2018 21:24	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267676	1	09/24/2018 21:24	AR
Surr: Dibromofluoromethane	102		0	75.8-119	%REC	267676	1	09/24/2018 21:24	AR
Surr: Toluene-d8	102		0	78.3-120	%REC	267676	1	09/24/2018 21:24	AR
PERCENT MOISTURE D2216									
Percent Moisture	20.3		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 2:21:00 PM
Lab ID:	1809J55-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,1-Dichloroethene	BRL		0.73	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,3-Dichlorobenzene	BRL		0.95	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
2-Hexanone	BRL		2.9	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
4-Methyl-2-pentanone	BRL		1.9	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Acetone	BRL		3.8	74	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Bromomethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Carbon disulfide	BRL		2.0	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Carbon tetrachloride	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Chloroethane	BRL		2.0	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Chloroform	BRL		0.90	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Chloromethane	BRL		1.4	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
cis-1,2-Dichloroethene	11		1.4	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Cyclohexane	BRL		0.83	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Dichlorodifluoromethane	BRL		1.1	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Freon-113	BRL		0.97	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
m,p-Xylene	BRL		0.70	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Methyl tert-butyl ether	BRL		0.85	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	B-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 2:21:00 PM
Lab ID:	1809J55-010	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Styrene	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
trans-1,3-Dichloropropene	BRL		0.92	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Vinyl chloride	BRL		1.6	7.4	ug/Kg-dry	267676	1	09/24/2018 21:50	AR
Surr: 4-Bromofluorobenzene	102		0	65-133	%REC	267676	1	09/24/2018 21:50	AR
Surr: Dibromofluoromethane	99.9		0	75.8-119	%REC	267676	1	09/24/2018 21:50	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 21:50	AR
PERCENT MOISTURE D2216									
Percent Moisture	19.7		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 11:35:00 AM
Lab ID:	1809J55-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,1-Dichloroethene	BRL		0.75	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,3-Dichlorobenzene	BRL		0.97	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
1,4-Dichlorobenzene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
2-Hexanone	BRL		2.9	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
4-Methyl-2-pentanone	BRL		2.0	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Acetone	BRL		3.8	76	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Carbon disulfide	BRL		2.1	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Chloroethane	BRL		2.1	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Chloroform	BRL		0.92	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Chloromethane	BRL		1.4	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
cis-1,2-Dichloroethene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
cis-1,3-Dichloropropene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Cyclohexane	BRL		0.85	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Dichlorodifluoromethane	BRL		1.1	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Freon-113	BRL		0.99	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
m,p-Xylene	BRL		0.72	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Methyl tert-butyl ether	BRL		0.86	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 11:35:00 AM
Lab ID:	1809J55-011	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Styrene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Tetrachloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Toluene	BRL		0.40	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
trans-1,3-Dichloropropene	BRL		0.94	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Trichloroethene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Vinyl chloride	BRL		1.6	7.6	ug/Kg-dry	267676	1	09/24/2018 22:16	AR
Surr: 4-Bromofluorobenzene	102		0	65-133	%REC	267676	1	09/24/2018 22:16	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267676	1	09/24/2018 22:16	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 22:16	AR
PERCENT MOISTURE D2216									
Percent Moisture	19.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:26:00 PM
Lab ID:	1809J55-012	**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	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,1,2,2-Tetrachloroethane	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,1,2-Trichloroethane	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,1-Dichloroethane	BRL		1.3	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,1-Dichloroethene	BRL		0.90	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2,4-Trichlorobenzene	BRL		1.8	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2-Dibromo-3-chloropropane	BRL		1.9	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2-Dibromoethane	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2-Dichlorobenzene	BRL		1.5	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2-Dichloroethane	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,2-Dichloropropane	BRL		1.3	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,3-Dichlorobenzene	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
1,4-Dichlorobenzene	BRL		1.6	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
2-Butanone	43	J	5.7	46	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
2-Hexanone	BRL		3.5	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
4-Methyl-2-pentanone	BRL		2.4	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Acetone	320		4.6	91	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Benzene	BRL		0.54	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Bromodichloromethane	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Bromoform	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Bromomethane	BRL		2.0	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Carbon disulfide	BRL		2.5	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Carbon tetrachloride	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Chlorobenzene	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Chloroethane	BRL		2.5	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Chloroform	BRL		1.1	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Chloromethane	BRL		1.7	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
cis-1,2-Dichloroethene	BRL		1.7	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
cis-1,3-Dichloropropene	BRL		1.6	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Cyclohexane	BRL		1.0	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Dibromochloromethane	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Dichlorodifluoromethane	BRL		1.4	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Ethylbenzene	BRL		0.46	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Freon-113	BRL		1.2	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Isopropylbenzene	BRL		1.3	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
m,p-Xylene	BRL		0.86	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Methyl acetate	5.8		2.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Methyl tert-butyl ether	BRL		1.0	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Methylcyclohexane	BRL		1.5	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:26:00 PM
Lab ID:	1809J55-012	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.6	18	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
o-Xylene	BRL		0.47	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Styrene	BRL		1.2	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Tetrachloroethene	BRL		1.4	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Toluene	44		0.48	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
trans-1,2-Dichloroethene	BRL		1.6	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
trans-1,3-Dichloropropene	BRL		1.1	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Trichloroethene	BRL		1.3	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Trichlorofluoromethane	BRL		2.1	4.6	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Vinyl chloride	BRL		1.9	9.1	ug/Kg-dry	267676	1	09/24/2018 22:41	AR
Surr: 4-Bromofluorobenzene	80.5		0	65-133	%REC	267676	1	09/24/2018 22:41	AR
Surr: Dibromofluoromethane	104		0	75.8-119	%REC	267676	1	09/24/2018 22:41	AR
Surr: Toluene-d8	97.7		0	78.3-120	%REC	267676	1	09/24/2018 22:41	AR
PERCENT MOISTURE D2216									
Percent Moisture	29.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 9:15:00 AM
Lab ID:	1809J55-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.93	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,1-Dichloroethane	BRL		0.98	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,1-Dichloroethene	BRL		0.69	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,3-Dichlorobenzene	BRL		0.90	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
2-Butanone	BRL		4.4	35	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
2-Hexanone	BRL		2.7	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
4-Methyl-2-pentanone	BRL		1.8	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Acetone	BRL		3.6	70	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Benzene	BRL		0.42	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Bromodichloromethane	BRL		0.95	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Bromoform	BRL		0.95	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Carbon disulfide	BRL		1.9	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Carbon tetrachloride	BRL		0.94	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Chlorobenzene	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Chloroethane	BRL		1.9	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Chloroform	BRL		0.85	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Chloromethane	BRL		1.3	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
cis-1,2-Dichloroethene	9.4		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Cyclohexane	BRL		0.78	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Dibromochloromethane	BRL		0.95	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Dichlorodifluoromethane	BRL		1.0	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Ethylbenzene	BRL		0.35	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Freon-113	BRL		0.91	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Isopropylbenzene	BRL		0.99	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
m,p-Xylene	BRL		0.66	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Methyl tert-butyl ether	BRL		0.80	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 9:15:00 AM
Lab ID:	1809J55-013	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.5	14	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
o-Xylene	BRL		0.36	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Styrene	BRL		0.92	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Tetrachloroethene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Toluene	BRL		0.37	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
trans-1,2-Dichloroethene	BRL		1.2	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
trans-1,3-Dichloropropene	BRL		0.87	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Trichloroethene	BRL		0.97	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Trichlorofluoromethane	BRL		1.6	3.5	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Vinyl chloride	1.9	J	1.5	7.0	ug/Kg-dry	267676	1	09/24/2018 23:07	AR
Surr: 4-Bromofluorobenzene	102		0	65-133	%REC	267676	1	09/24/2018 23:07	AR
Surr: Dibromofluoromethane	101		0	75.8-119	%REC	267676	1	09/24/2018 23:07	AR
Surr: Toluene-d8	102		0	78.3-120	%REC	267676	1	09/24/2018 23:07	AR
PERCENT MOISTURE D2216									
Percent Moisture	17.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 5:25:00 PM
Lab ID:	1809J55-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,1-Dichloroethene	BRL		0.74	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,3-Dichlorobenzene	BRL		0.96	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
1,4-Dichlorobenzene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
2-Hexanone	BRL		2.9	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
4-Methyl-2-pentanone	BRL		1.9	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Acetone	BRL		3.8	75	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Carbon disulfide	BRL		2.1	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Chloroethane	BRL		2.0	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Chloroform	BRL		0.91	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Chloromethane	BRL		1.4	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
cis-1,2-Dichloroethene	7.9		1.4	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
cis-1,3-Dichloropropene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Cyclohexane	BRL		0.84	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Dichlorodifluoromethane	BRL		1.1	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Freon-113	BRL		0.98	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
m,p-Xylene	BRL		0.71	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Methyl tert-butyl ether	BRL		0.86	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 5:25:00 PM
Lab ID:	1809J55-014	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Styrene	BRL		0.99	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Tetrachloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Toluene	BRL		0.40	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
trans-1,3-Dichloropropene	BRL		0.93	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Trichloroethene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Vinyl chloride	2.0	J	1.6	7.5	ug/Kg-dry	267676	1	09/24/2018 23:33	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267676	1	09/24/2018 23:33	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267676	1	09/24/2018 23:33	AR
Surr: Toluene-d8	103		0	78.3-120	%REC	267676	1	09/24/2018 23:33	AR
PERCENT MOISTURE D2216									
Percent Moisture	17.2		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 4:32:00 PM
Lab ID:	1809J55-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.91	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,1-Dichloroethane	BRL		0.97	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,1-Dichloroethene	BRL		0.68	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,3-Dichlorobenzene	BRL		0.88	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
1,4-Dichlorobenzene	BRL		1.2	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
2-Butanone	BRL		4.3	35	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
2-Hexanone	BRL		2.7	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
4-Methyl-2-pentanone	BRL		1.8	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Acetone	BRL		3.5	69	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Benzene	BRL		0.41	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Bromodichloromethane	BRL		0.94	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Bromoform	BRL		0.94	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Bromomethane	BRL		1.5	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Carbon disulfide	BRL		1.9	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Carbon tetrachloride	BRL		0.92	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Chlorobenzene	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Chloroethane	BRL		1.9	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Chloroform	BRL		0.84	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Chloromethane	BRL		1.3	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
cis-1,2-Dichloroethene	BRL		1.3	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
cis-1,3-Dichloropropene	BRL		1.2	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Cyclohexane	BRL		0.77	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Dibromochloromethane	BRL		0.94	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Dichlorodifluoromethane	BRL		1.0	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Ethylbenzene	BRL		0.35	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Freon-113	BRL		0.90	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Isopropylbenzene	BRL		0.97	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
m,p-Xylene	BRL		0.65	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Methyl tert-butyl ether	BRL		0.79	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	C-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 4:32:00 PM
Lab ID:	1809J55-015	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.5	14	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
o-Xylene	BRL		0.36	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Styrene	BRL		0.91	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Tetrachloroethene	BRL		1.0	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Toluene	BRL		0.37	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
trans-1,2-Dichloroethene	BRL		1.2	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
trans-1,3-Dichloropropene	BRL		0.86	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Trichloroethene	BRL		0.95	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Trichlorofluoromethane	BRL		1.6	3.5	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Vinyl chloride	BRL		1.5	6.9	ug/Kg-dry	267676	1	09/24/2018 23:59	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267676	1	09/24/2018 23:59	AR
Surr: Dibromofluoromethane	102		0	75.8-119	%REC	267676	1	09/24/2018 23:59	AR
Surr: Toluene-d8	102		0	78.3-120	%REC	267676	1	09/24/2018 23:59	AR
PERCENT MOISTURE D2216									
Percent Moisture	18.6		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 12:40:00 PM
Lab ID:	1809J55-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,1-Dichloroethene	BRL		0.75	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,3-Dichlorobenzene	BRL		0.98	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
1,4-Dichlorobenzene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
2-Butanone	BRL		4.8	38	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
2-Hexanone	BRL		3.0	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
4-Methyl-2-pentanone	BRL		2.0	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Acetone	BRL		3.9	77	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Benzene	BRL		0.46	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Carbon disulfide	BRL		2.1	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Chloroethane	BRL		2.1	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Chloroform	BRL		0.93	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Chloromethane	BRL		1.4	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
cis-1,2-Dichloroethene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
cis-1,3-Dichloropropene	BRL		1.4	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Cyclohexane	BRL		0.85	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Dichlorodifluoromethane	BRL		1.1	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Freon-113	BRL		1.0	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
m,p-Xylene	BRL		0.72	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Methyl tert-butyl ether	BRL		0.87	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 12:40:00 PM
Lab ID:	1809J55-016	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Styrene	BRL		1.0	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Tetrachloroethene	BRL		1.2	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Toluene	BRL		0.41	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
trans-1,2-Dichloroethene	BRL		1.3	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
trans-1,3-Dichloropropene	BRL		0.95	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Trichloroethene	BRL		1.1	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Vinyl chloride	BRL		1.6	7.7	ug/Kg-dry	267676	1	09/25/2018 00:24	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267676	1	09/25/2018 00:24	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267676	1	09/25/2018 00:24	AR
Surr: Toluene-d8	101		0	78.3-120	%REC	267676	1	09/25/2018 00:24	AR
PERCENT MOISTURE D2216									
Percent Moisture	24.8		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:50:00 PM
Lab ID:	1809J55-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,1,2-Trichloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,1-Dichloroethane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,1-Dichloroethene	BRL		0.77	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2-Dibromoethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2-Dichlorobenzene	BRL		1.3	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2-Dichloroethane	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,2-Dichloropropane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,3-Dichlorobenzene	BRL		0.99	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
1,4-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
2-Butanone	BRL		4.8	39	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
2-Hexanone	BRL		3.0	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
4-Methyl-2-pentanone	BRL		2.0	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Acetone	16	J	3.9	78	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Benzene	BRL		0.46	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Bromodichloromethane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Bromoform	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Bromomethane	BRL		1.7	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Carbon disulfide	BRL		2.1	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Carbon tetrachloride	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Chlorobenzene	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Chloroethane	BRL		2.1	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Chloroform	BRL		0.94	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Chloromethane	BRL		1.5	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
cis-1,2-Dichloroethene	8.4		1.4	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
cis-1,3-Dichloropropene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Cyclohexane	BRL		0.87	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Dibromochloromethane	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Dichlorodifluoromethane	BRL		1.2	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Ethylbenzene	BRL		0.39	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Freon-113	BRL		1.0	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Isopropylbenzene	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
m,p-Xylene	BRL		0.74	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Methyl acetate	BRL		2.0	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Methyl tert-butyl ether	BRL		0.89	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Methylcyclohexane	BRL		1.3	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 3:50:00 PM
Lab ID:	1809J55-017	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.9	16	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
o-Xylene	BRL		0.40	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Styrene	BRL		1.0	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Tetrachloroethene	BRL		1.2	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Toluene	BRL		0.41	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
trans-1,2-Dichloroethene	BRL		1.4	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
trans-1,3-Dichloropropene	BRL		0.96	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Trichloroethene	BRL		1.1	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Trichlorofluoromethane	BRL		1.8	3.9	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Vinyl chloride	BRL		1.6	7.8	ug/Kg-dry	267676	1	09/25/2018 00:55	AR
Surr: 4-Bromofluorobenzene	98.2		0	65-133	%REC	267676	1	09/25/2018 00:55	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267676	1	09/25/2018 00:55	AR
Surr: Toluene-d8	94.9		0	78.3-120	%REC	267676	1	09/25/2018 00:55	AR
PERCENT MOISTURE D2216									
Percent Moisture	18.6		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 9:40:00 AM
Lab ID:	1809J55-018	**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	267676	1	09/25/2018 01:21	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,1,2-Trichloroethane	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,1-Dichloroethane	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,1-Dichloroethene	BRL		0.80	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2,4-Trichlorobenzene	BRL		1.6	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2-Dibromoethane	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2-Dichlorobenzene	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2-Dichloroethane	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,2-Dichloropropane	BRL		1.2	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,3-Dichlorobenzene	BRL		1.0	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
1,4-Dichlorobenzene	BRL		1.5	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
2-Butanone	BRL		5.1	41	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
2-Hexanone	BRL		3.2	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
4-Methyl-2-pentanone	BRL		2.1	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Acetone	31	J	4.1	82	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Benzene	BRL		0.49	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Bromodichloromethane	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Bromoform	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Bromomethane	BRL		1.8	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Carbon disulfide	BRL		2.2	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Carbon tetrachloride	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Chlorobenzene	BRL		1.2	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Chloroethane	BRL		2.2	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Chloroform	BRL		0.99	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Chloromethane	BRL		1.5	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
cis-1,2-Dichloroethene	140		1.5	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
cis-1,3-Dichloropropene	BRL		1.5	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Cyclohexane	BRL		0.91	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Dibromochloromethane	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Dichlorodifluoromethane	BRL		1.2	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Ethylbenzene	BRL		0.41	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Freon-113	BRL		1.1	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Isopropylbenzene	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
m,p-Xylene	BRL		0.77	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Methyl acetate	BRL		2.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Methyl tert-butyl ether	BRL		0.93	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Methylcyclohexane	BRL		1.3	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 9:40:00 AM
Lab ID:	1809J55-018	**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	267676	1	09/25/2018 01:21	AR
o-Xylene	BRL		0.42	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Styrene	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Tetrachloroethene	BRL		1.2	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Toluene	BRL		0.43	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
trans-1,2-Dichloroethene	2.5	J	1.4	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
trans-1,3-Dichloropropene	BRL		1.0	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Trichloroethene	BRL		1.1	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Trichlorofluoromethane	BRL		1.9	4.1	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Vinyl chloride	BRL		1.7	8.2	ug/Kg-dry	267676	1	09/25/2018 01:21	AR
Surr: 4-Bromofluorobenzene	104		0	65-133	%REC	267676	1	09/25/2018 01:21	AR
Surr: Dibromofluoromethane	110		0	75.8-119	%REC	267676	1	09/25/2018 01:21	AR
Surr: Toluene-d8	96.8		0	78.3-120	%REC	267676	1	09/25/2018 01:21	AR
PERCENT MOISTURE D2216									
Percent Moisture	22.2		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:13:00 AM
Lab ID:	1809J55-019	**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	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,1,2-Trichloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,1-Dichloroethane	1.5	J	1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,1-Dichloroethene	1.0	J	0.85	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2,4-Trichlorobenzene	BRL		1.7	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2-Dibromo-3-chloropropane	BRL		1.8	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2-Dibromoethane	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2-Dichlorobenzene	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2-Dichloroethane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,2-Dichloropropane	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,3-Dichlorobenzene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
1,4-Dichlorobenzene	BRL		1.6	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
2-Butanone	BRL		5.4	43	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
2-Hexanone	BRL		3.4	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
4-Methyl-2-pentanone	BRL		2.2	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Acetone	30	J	4.4	87	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Benzene	BRL		0.52	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Bromodichloromethane	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Bromoform	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Bromomethane	BRL		1.9	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Carbon disulfide	BRL		2.4	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Carbon tetrachloride	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Chlorobenzene	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Chloroethane	BRL		2.3	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Chloroform	BRL		1.0	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Chloromethane	BRL		1.6	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
cis-1,2-Dichloroethene	1600		77	210	ug/Kg-dry	267905	50	09/28/2018 13:11	JE
cis-1,3-Dichloropropene	BRL		1.6	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Cyclohexane	BRL		0.97	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Dibromochloromethane	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Dichlorodifluoromethane	BRL		1.3	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Ethylbenzene	BRL		0.44	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Freon-113	BRL		1.1	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Isopropylbenzene	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
m,p-Xylene	BRL		0.82	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Methyl acetate	BRL		2.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Methyl tert-butyl ether	BRL		0.99	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Methylcyclohexane	BRL		1.4	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:13:00 AM
Lab ID:	1809J55-019	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.4	17	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
o-Xylene	BRL		0.45	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Styrene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Tetrachloroethene	BRL		1.3	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Toluene	BRL		0.46	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
trans-1,2-Dichloroethene	19		1.5	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
trans-1,3-Dichloropropene	BRL		1.1	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Trichloroethene	BRL		1.2	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Trichlorofluoromethane	BRL		2.0	4.3	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Vinyl chloride	3.1	J	1.8	8.7	ug/Kg-dry	267676	1	09/25/2018 01:47	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267905	50	09/28/2018 13:11	JE
Surr: 4-Bromofluorobenzene	88.8		0	65-133	%REC	267676	1	09/25/2018 01:47	AR
Surr: Dibromofluoromethane	104		0	75.8-119	%REC	267905	50	09/28/2018 13:11	JE
Surr: Dibromofluoromethane	99.7		0	75.8-119	%REC	267676	1	09/25/2018 01:47	AR
Surr: Toluene-d8	96.8		0	78.3-120	%REC	267905	50	09/28/2018 13:11	JE
Surr: Toluene-d8	98.5		0	78.3-120	%REC	267676	1	09/25/2018 01:47	AR
PERCENT MOISTURE D2216									
Percent Moisture	24.0		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 2:21:00 PM
Lab ID:	1809J55-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.96	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,1-Dichloroethene	BRL		0.72	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2-Dibromoethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,3-Dichlorobenzene	BRL		0.93	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
2-Butanone	BRL		4.5	37	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Acetone	24	J	3.7	73	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Benzene	BRL		0.43	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Bromodichloromethane	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Bromoform	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Carbon tetrachloride	BRL		0.98	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Chloroform	BRL		0.88	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
cis-1,2-Dichloroethene	2.2	J	1.3	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Dibromochloromethane	BRL		0.99	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Freon-113	BRL		0.95	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
m,p-Xylene	BRL		0.69	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Methyl tert-butyl ether	BRL		0.83	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-1
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 2:21:00 PM
Lab ID:	1809J55-020	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Styrene	BRL		0.96	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
trans-1,3-Dichloropropene	BRL		0.91	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Vinyl chloride	BRL		1.5	7.3	ug/Kg-dry	267676	1	09/25/2018 02:12	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267676	1	09/25/2018 02:12	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267676	1	09/25/2018 02:12	AR
Surr: Toluene-d8	97.3		0	78.3-120	%REC	267676	1	09/25/2018 02:12	AR
PERCENT MOISTURE D2216									
Percent Moisture	20.5		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 4:20:00 PM
Lab ID:	1809J55-021	**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	267666	1	09/25/2018 02:38	AR
1,1,2,2-Tetrachloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,1,2-Trichloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,1-Dichloroethane	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,1-Dichloroethene	BRL		0.89	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2,4-Trichlorobenzene	BRL		1.8	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2-Dibromo-3-chloropropane	BRL		1.9	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2-Dibromoethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2-Dichlorobenzene	BRL		1.5	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2-Dichloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,2-Dichloropropane	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,3-Dichlorobenzene	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
1,4-Dichlorobenzene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
2-Butanone	BRL		5.6	45	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
2-Hexanone	BRL		3.5	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
4-Methyl-2-pentanone	BRL		2.3	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Acetone	54	J	4.6	90	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Benzene	BRL		0.54	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Bromodichloromethane	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Bromoform	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Bromomethane	BRL		2.0	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Carbon disulfide	BRL		2.5	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Carbon tetrachloride	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Chlorobenzene	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Chloroethane	BRL		2.4	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Chloroform	BRL		1.1	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Chloromethane	BRL		1.7	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
cis-1,2-Dichloroethene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
cis-1,3-Dichloropropene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Cyclohexane	BRL		1.0	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Dibromochloromethane	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Dichlorodifluoromethane	BRL		1.3	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Ethylbenzene	BRL		0.45	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Freon-113	BRL		1.2	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Isopropylbenzene	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
m,p-Xylene	BRL		0.85	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Methyl acetate	BRL		2.3	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Methyl tert-butyl ether	BRL		1.0	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Methylcyclohexane	BRL		1.5	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-2
Project Name:	MTL-PWW	**Collection Date:**	9/19/2018 4:20:00 PM
Lab ID:	1809J55-021	**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	267666	1	09/25/2018 02:38	AR
o-Xylene	BRL		0.47	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Styrene	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Tetrachloroethene	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Toluene	BRL		0.48	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
trans-1,2-Dichloroethene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
trans-1,3-Dichloropropene	BRL		1.1	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Trichloroethene	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Trichlorofluoromethane	BRL		2.1	4.5	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Vinyl chloride	BRL		1.9	9.0	ug/Kg-dry	267666	1	09/25/2018 02:38	AR
Surr: 4-Bromofluorobenzene	76.8		0	65-133	%REC	267666	1	09/25/2018 02:38	AR
Surr: Dibromofluoromethane	102		0	75.8-119	%REC	267666	1	09/25/2018 02:38	AR
Surr: Toluene-d8	95.9		0	78.3-120	%REC	267666	1	09/25/2018 02:38	AR
PERCENT MOISTURE D2216									
Percent Moisture	24.8		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:12:00 AM
Lab ID:	1809J55-022	**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	267666	1	09/25/2018 03:04	AR
1,1,2,2-Tetrachloroethane	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,1,2-Trichloroethane	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,1-Dichloroethane	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,1-Dichloroethene	BRL		0.87	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2,4-Trichlorobenzene	BRL		1.7	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2-Dibromo-3-chloropropane	BRL		1.9	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2-Dibromoethane	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2-Dichlorobenzene	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2-Dichloroethane	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,2-Dichloropropane	BRL		1.3	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,3-Dichlorobenzene	BRL		1.1	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
1,4-Dichlorobenzene	BRL		1.6	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
2-Butanone	BRL		5.5	44	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
2-Hexanone	BRL		3.4	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
4-Methyl-2-pentanone	BRL		2.3	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Acetone	44	J	4.5	88	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Benzene	BRL		0.53	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Bromodichloromethane	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Bromoform	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Bromomethane	BRL		2.0	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Carbon disulfide	BRL		2.4	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Carbon tetrachloride	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Chlorobenzene	BRL		1.3	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Chloroethane	BRL		2.4	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Chloroform	BRL		1.1	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Chloromethane	BRL		1.6	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
cis-1,2-Dichloroethene	68		1.6	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
cis-1,3-Dichloropropene	BRL		1.6	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Cyclohexane	BRL		0.99	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Dibromochloromethane	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Dichlorodifluoromethane	BRL		1.3	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Ethylbenzene	BRL		0.44	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Freon-113	BRL		1.2	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Isopropylbenzene	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
m,p-Xylene	BRL		0.84	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Methyl acetate	BRL		2.3	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Methyl tert-butyl ether	BRL		1.0	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Methylcyclohexane	BRL		1.4	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:12:00 AM
Lab ID:	1809J55-022	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.4	18	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
o-Xylene	BRL		0.46	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Styrene	BRL		1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Tetrachloroethene	2.7	J	1.3	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Toluene	BRL		0.47	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
trans-1,2-Dichloroethene	7.7		1.5	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
trans-1,3-Dichloropropene	BRL		1.1	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Trichloroethene	1.6	J	1.2	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Trichlorofluoromethane	BRL		2.1	4.4	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Vinyl chloride	BRL		1.9	8.8	ug/Kg-dry	267666	1	09/25/2018 03:04	AR
Surr: 4-Bromofluorobenzene	93.6		0	65-133	%REC	267666	1	09/25/2018 03:04	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267666	1	09/25/2018 03:04	AR
Surr: Toluene-d8	96.6		0	78.3-120	%REC	267666	1	09/25/2018 03:04	AR
PERCENT MOISTURE D2216									
Percent Moisture	21.0		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 5:34:00 PM
Lab ID:	1809J55-023	**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	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,1,2-Trichloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,1-Dichloroethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,1-Dichloroethene	BRL		0.85	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2,4-Trichlorobenzene	BRL		1.7	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2-Dibromo-3-chloropropane	BRL		1.8	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2-Dibromoethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2-Dichlorobenzene	BRL		1.4	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2-Dichloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,2-Dichloropropane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,3-Dichlorobenzene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
1,4-Dichlorobenzene	BRL		1.5	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
2-Butanone	BRL		5.4	43	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
2-Hexanone	BRL		3.3	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
4-Methyl-2-pentanone	BRL		2.2	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Acetone	22	J	4.4	86	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Benzene	BRL		0.51	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Bromodichloromethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Bromoform	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Bromomethane	BRL		1.9	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Carbon disulfide	BRL		2.4	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Carbon tetrachloride	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Chlorobenzene	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Chloroethane	BRL		2.3	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Chloroform	BRL		1.0	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Chloromethane	BRL		1.6	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
cis-1,2-Dichloroethene	6.3		1.6	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
cis-1,3-Dichloropropene	BRL		1.5	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Cyclohexane	BRL		0.96	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Dibromochloromethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Dichlorodifluoromethane	BRL		1.3	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Ethylbenzene	BRL		0.43	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Freon-113	BRL		1.1	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Isopropylbenzene	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
m,p-Xylene	BRL		0.81	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Methyl acetate	BRL		2.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Methyl tert-butyl ether	BRL		0.98	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Methylcyclohexane	BRL		1.4	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 5:34:00 PM
Lab ID:	1809J55-023	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.3	17	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
o-Xylene	BRL		0.44	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Styrene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Tetrachloroethene	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Toluene	BRL		0.46	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
trans-1,2-Dichloroethene	BRL		1.5	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
trans-1,3-Dichloropropene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Trichloroethene	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Trichlorofluoromethane	BRL		2.0	4.3	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Vinyl chloride	BRL		1.8	8.6	ug/Kg-dry	267666	1	09/25/2018 03:29	AR
Surr: 4-Bromofluorobenzene	95.7		0	65-133	%REC	267666	1	09/25/2018 03:29	AR
Surr: Dibromofluoromethane	106		0	75.8-119	%REC	267666	1	09/25/2018 03:29	AR
Surr: Toluene-d8	94.4		0	78.3-120	%REC	267666	1	09/25/2018 03:29	AR
PERCENT MOISTURE D2216									
Percent Moisture	20.9		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-2
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 7:52:00 AM
Lab ID:	1809J55-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,1,2-Trichloroethane	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,1-Dichloroethane	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,1-Dichloroethene	BRL		0.77	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2-Dibromoethane	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2-Dichlorobenzene	BRL		1.3	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2-Dichloroethane	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,2-Dichloropropane	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,3-Dichlorobenzene	BRL		0.99	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
1,4-Dichlorobenzene	BRL		1.4	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
2-Butanone	BRL		4.8	39	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
2-Hexanone	BRL		3.0	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
4-Methyl-2-pentanone	BRL		2.0	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Acetone	22	J	3.9	78	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Benzene	BRL		0.46	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Bromodichloromethane	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Bromoform	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Bromomethane	BRL		1.7	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Carbon disulfide	BRL		2.1	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Carbon tetrachloride	BRL		1.0	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Chlorobenzene	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Chloroethane	BRL		2.1	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Chloroform	BRL		0.94	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Chloromethane	BRL		1.4	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
cis-1,2-Dichloroethene	BRL		1.4	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
cis-1,3-Dichloropropene	BRL		1.4	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Cyclohexane	BRL		0.87	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Dibromochloromethane	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Dichlorodifluoromethane	BRL		1.2	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Ethylbenzene	BRL		0.39	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Freon-113	BRL		1.0	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Isopropylbenzene	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
m,p-Xylene	BRL		0.73	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Methyl acetate	BRL		2.0	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Methyl tert-butyl ether	BRL		0.89	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Methylcyclohexane	BRL		1.3	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-2
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 7:52:00 AM
Lab ID:	1809J55-024	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.9	16	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
o-Xylene	BRL		0.40	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Styrene	BRL		1.0	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Tetrachloroethene	BRL		1.2	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Toluene	BRL		0.41	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
trans-1,2-Dichloroethene	BRL		1.3	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
trans-1,3-Dichloropropene	BRL		0.96	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Trichloroethene	BRL		1.1	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Trichlorofluoromethane	BRL		1.8	3.9	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Vinyl chloride	BRL		1.6	7.8	ug/Kg-dry	267666	1	09/25/2018 03:55	AR
Surr: 4-Bromofluorobenzene	90.3		0	65-133	%REC	267666	1	09/25/2018 03:55	AR
Surr: Dibromofluoromethane	98.5		0	75.8-119	%REC	267666	1	09/25/2018 03:55	AR
Surr: Toluene-d8	98.3		0	78.3-120	%REC	267666	1	09/25/2018 03:55	AR
PERCENT MOISTURE D2216									
Percent Moisture	20.7		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:45:00 AM
Lab ID:	1809J55-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.52	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,1,2,2-Tetrachloroethane	BRL		0.61	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,1,2-Trichloroethane	BRL		0.61	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,1-Dichloroethane	BRL		0.55	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,1-Dichloroethene	BRL		0.39	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2,4-Trichlorobenzene	BRL		0.78	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2-Dibromo-3-chloropropane	BRL		0.84	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2-Dibromoethane	BRL		0.62	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2-Dichlorobenzene	BRL		0.64	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2-Dichloroethane	BRL		0.61	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,2-Dichloropropane	BRL		0.58	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,3-Dichlorobenzene	BRL		0.50	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
1,4-Dichlorobenzene	BRL		0.71	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
2-Butanone	BRL		2.5	20	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
2-Hexanone	BRL		1.5	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
4-Methyl-2-pentanone	BRL		1.0	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Acetone	7.8	J	2.0	40	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Benzene	BRL		0.24	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Bromodichloromethane	BRL		0.54	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Bromoform	BRL		0.54	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Bromomethane	BRL		0.88	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Carbon disulfide	BRL		1.1	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Carbon tetrachloride	BRL		0.53	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Chlorobenzene	BRL		0.59	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Chloroethane	BRL		1.1	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Chloroform	BRL		0.48	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Chloromethane	BRL		0.74	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
cis-1,2-Dichloroethene	BRL		0.72	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
cis-1,3-Dichloropropene	BRL		0.71	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Cyclohexane	BRL		0.44	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Dibromochloromethane	BRL		0.54	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Dichlorodifluoromethane	BRL		0.59	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Ethylbenzene	BRL		0.20	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Freon-113	BRL		0.52	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Isopropylbenzene	BRL		0.56	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
m,p-Xylene	BRL		0.37	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Methyl acetate	BRL		1.0	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Methyl tert-butyl ether	BRL		0.45	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Methylcyclohexane	BRL		0.64	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:45:00 AM
Lab ID:	1809J55-025	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		2.0	7.9	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
o-Xylene	BRL		0.20	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Styrene	BRL		0.52	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Tetrachloroethene	1.1	J	0.60	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Toluene	BRL		0.21	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
trans-1,2-Dichloroethene	BRL		0.69	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
trans-1,3-Dichloropropene	BRL		0.49	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Trichloroethene	BRL		0.55	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Trichlorofluoromethane	BRL		0.93	2.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Vinyl chloride	BRL		0.84	4.0	ug/Kg-dry	267666	1	09/25/2018 04:21	AR
Surr: 4-Bromofluorobenzene	87.6		0	65-133	%REC	267666	1	09/25/2018 04:21	AR
Surr: Dibromofluoromethane	97.4		0	75.8-119	%REC	267666	1	09/25/2018 04:21	AR
Surr: Toluene-d8	98.7		0	78.3-120	%REC	267666	1	09/25/2018 04:21	AR
PERCENT MOISTURE D2216									
Percent Moisture	14.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:07:00 PM
Lab ID:	1809J55-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,1-Dichloroethene	BRL		0.72	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,3-Dichlorobenzene	BRL		0.94	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Acetone	19	J	3.7	73	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Carbon tetrachloride	BRL		0.98	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Chloroform	BRL		0.89	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
cis-1,2-Dichloroethene	9.3		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Freon-113	BRL		0.96	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
m,p-Xylene	BRL		0.69	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Methyl tert-butyl ether	BRL		0.84	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:07:00 PM
Lab ID:	1809J55-026	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Styrene	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Tetrachloroethene	14		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
trans-1,2-Dichloroethene	1.6	J	1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
trans-1,3-Dichloropropene	BRL		0.91	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Trichloroethene	13		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Vinyl chloride	BRL		1.6	7.3	ug/Kg-dry	267666	1	09/25/2018 04:47	AR
Surr: 4-Bromofluorobenzene	95.9		0	65-133	%REC	267666	1	09/25/2018 04:47	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267666	1	09/25/2018 04:47	AR
Surr: Toluene-d8	97.6		0	78.3-120	%REC	267666	1	09/25/2018 04:47	AR
PERCENT MOISTURE D2216									
Percent Moisture	14.3		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:45:00 PM
Lab ID:	1809J55-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,1,2,2-Tetrachloroethane	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,1,2-Trichloroethane	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,1-Dichloroethane	BRL		1.1	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,1-Dichloroethene	BRL		0.75	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2-Dibromoethane	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2-Dichlorobenzene	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2-Dichloroethane	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,2-Dichloropropane	BRL		1.1	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,3-Dichlorobenzene	BRL		0.97	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
1,4-Dichlorobenzene	BRL		1.4	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
2-Butanone	BRL		4.7	38	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
2-Hexanone	BRL		2.9	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
4-Methyl-2-pentanone	BRL		2.0	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Acetone	18	J	3.8	76	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Benzene	BRL		0.45	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Bromodichloromethane	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Bromoform	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Bromomethane	BRL		1.7	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Carbon disulfide	BRL		2.1	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Carbon tetrachloride	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Chlorobenzene	BRL		1.1	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Chloroethane	BRL		2.1	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Chloroform	BRL		0.92	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Chloromethane	BRL		1.4	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
cis-1,2-Dichloroethene	170		69	76	ug/Kg-dry	267905	50	09/28/2018 12:46	JE
cis-1,3-Dichloropropene	BRL		1.4	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Cyclohexane	BRL		0.85	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Dibromochloromethane	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Dichlorodifluoromethane	BRL		1.1	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Ethylbenzene	BRL		0.38	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Freon-113	BRL		0.99	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Isopropylbenzene	BRL		1.1	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
m,p-Xylene	BRL		0.72	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Methyl acetate	BRL		2.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Methyl tert-butyl ether	BRL		0.87	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Methylcyclohexane	BRL		1.2	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	F-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:45:00 PM
Lab ID:	1809J55-027	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.8	15	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
o-Xylene	BRL		0.39	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Styrene	BRL		1.0	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Tetrachloroethene	420		57	190	ug/Kg-dry	267905	50	09/28/2018 12:46	JE
Toluene	BRL		0.40	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
trans-1,2-Dichloroethene	7.9		1.3	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
trans-1,3-Dichloropropene	BRL		0.94	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Trichloroethene	130		52	76	ug/Kg-dry	267905	50	09/28/2018 12:46	JE
Trichlorofluoromethane	BRL		1.8	3.8	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Vinyl chloride	BRL		1.6	7.6	ug/Kg-dry	267666	1	09/25/2018 05:13	AR
Surr: 4-Bromofluorobenzene	99.8		0	65-133	%REC	267905	50	09/28/2018 12:46	JE
Surr: 4-Bromofluorobenzene	90.9		0	65-133	%REC	267666	1	09/25/2018 05:13	AR
Surr: Dibromofluoromethane	108		0	75.8-119	%REC	267905	50	09/28/2018 12:46	JE
Surr: Dibromofluoromethane	98		0	75.8-119	%REC	267666	1	09/25/2018 05:13	AR
Surr: Toluene-d8	97.5		0	78.3-120	%REC	267905	50	09/28/2018 12:46	JE
Surr: Toluene-d8	96.8		0	78.3-120	%REC	267666	1	09/25/2018 05:13	AR
PERCENT MOISTURE D2216									
Percent Moisture	13.0		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-2
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:12:00 AM
Lab ID:	1809J55-028	**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	267666	1	09/25/2018 05:38	AR
1,1,2,2-Tetrachloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,1,2-Trichloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,1-Dichloroethane	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,1-Dichloroethene	BRL		0.90	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2,4-Trichlorobenzene	BRL		1.8	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2-Dibromo-3-chloropropane	BRL		1.9	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2-Dibromoethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2-Dichlorobenzene	BRL		1.5	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2-Dichloroethane	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,2-Dichloropropane	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,3-Dichlorobenzene	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
1,4-Dichlorobenzene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
2-Butanone	BRL		5.7	45	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
2-Hexanone	BRL		3.5	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
4-Methyl-2-pentanone	BRL		2.4	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Acetone	29	J	4.6	91	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Benzene	BRL		0.54	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Bromodichloromethane	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Bromoform	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Bromomethane	BRL		2.0	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Carbon disulfide	BRL		2.5	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Carbon tetrachloride	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Chlorobenzene	BRL		1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Chloroethane	BRL		2.5	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Chloroform	BRL		1.1	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Chloromethane	BRL		1.7	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
cis-1,2-Dichloroethene	BRL		1.7	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
cis-1,3-Dichloropropene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Cyclohexane	BRL		1.0	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Dibromochloromethane	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Dichlorodifluoromethane	BRL		1.4	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Ethylbenzene	BRL		0.46	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Freon-113	BRL		1.2	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Isopropylbenzene	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
m,p-Xylene	BRL		0.86	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Methyl acetate	BRL		2.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Methyl tert-butyl ether	BRL		1.0	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Methylcyclohexane	BRL		1.5	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-2
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 8:12:00 AM
Lab ID:	1809J55-028	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.6	18	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
o-Xylene	BRL		0.47	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Styrene	BRL		1.2	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Tetrachloroethene	1.7	J	1.4	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Toluene	BRL		0.48	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
trans-1,2-Dichloroethene	BRL		1.6	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
trans-1,3-Dichloropropene	BRL		1.1	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Trichloroethene	BRL		1.3	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Trichlorofluoromethane	BRL		2.1	4.5	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Vinyl chloride	BRL		1.9	9.1	ug/Kg-dry	267666	1	09/25/2018 05:38	AR
Surr: 4-Bromofluorobenzene	90.2		0	65-133	%REC	267666	1	09/25/2018 05:38	AR
Surr: Dibromofluoromethane	104		0	75.8-119	%REC	267666	1	09/25/2018 05:38	AR
Surr: Toluene-d8	96.2		0	78.3-120	%REC	267666	1	09/25/2018 05:38	AR
PERCENT MOISTURE D2216									
Percent Moisture	27.6		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:55:00 AM
Lab ID:	1809J55-029	**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	267666	1	09/25/2018 06:04	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,1,2-Trichloroethane	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,1-Dichloroethane	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,1-Dichloroethene	BRL		0.80	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2,4-Trichlorobenzene	BRL		1.6	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2-Dibromoethane	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2-Dichlorobenzene	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2-Dichloroethane	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,2-Dichloropropane	BRL		1.2	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,3-Dichlorobenzene	BRL		1.0	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
1,4-Dichlorobenzene	BRL		1.5	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
2-Butanone	BRL		5.1	41	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
2-Hexanone	BRL		3.1	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
4-Methyl-2-pentanone	BRL		2.1	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Acetone	28	J	4.1	81	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Benzene	BRL		0.48	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Bromodichloromethane	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Bromoform	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Bromomethane	BRL		1.8	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Carbon disulfide	BRL		2.2	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Carbon tetrachloride	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Chlorobenzene	BRL		1.2	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Chloroethane	BRL		2.2	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Chloroform	BRL		0.98	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Chloromethane	BRL		1.5	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
cis-1,2-Dichloroethene	BRL		1.5	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
cis-1,3-Dichloropropene	BRL		1.5	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Cyclohexane	BRL		0.91	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Dibromochloromethane	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Dichlorodifluoromethane	BRL		1.2	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Ethylbenzene	BRL		0.41	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Freon-113	BRL		1.1	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Isopropylbenzene	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
m,p-Xylene	BRL		0.77	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Methyl acetate	BRL		2.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Methyl tert-butyl ether	BRL		0.93	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Methylcyclohexane	BRL		1.3	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-3
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 10:55:00 AM
Lab ID:	1809J55-029	**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	267666	1	09/25/2018 06:04	AR
o-Xylene	BRL		0.42	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Styrene	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Tetrachloroethene	1.3	J	1.2	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Toluene	BRL		0.43	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
trans-1,2-Dichloroethene	BRL		1.4	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
trans-1,3-Dichloropropene	BRL		1.0	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Trichloroethene	BRL		1.1	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Trichlorofluoromethane	BRL		1.9	4.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Vinyl chloride	BRL		1.7	8.1	ug/Kg-dry	267666	1	09/25/2018 06:04	AR
Surr: 4-Bromofluorobenzene	89.9		0	65-133	%REC	267666	1	09/25/2018 06:04	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267666	1	09/25/2018 06:04	AR
Surr: Toluene-d8	100		0	78.3-120	%REC	267666	1	09/25/2018 06:04	AR
PERCENT MOISTURE D2216									
Percent Moisture	11.6		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:56:00 PM
Lab ID:	1809J55-030	**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	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,1,2-Trichloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,1-Dichloroethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,1-Dichloroethene	BRL		0.85	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2,4-Trichlorobenzene	BRL		1.7	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2-Dibromo-3-chloropropane	BRL		1.8	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2-Dibromoethane	BRL		1.4	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2-Dichlorobenzene	BRL		1.4	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2-Dichloroethane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,2-Dichloropropane	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,3-Dichlorobenzene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
1,4-Dichlorobenzene	BRL		1.5	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
2-Butanone	BRL		5.4	43	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
2-Hexanone	BRL		3.3	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
4-Methyl-2-pentanone	BRL		2.2	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Acetone	21	J	4.4	86	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Benzene	BRL		0.51	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Bromodichloromethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Bromoform	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Bromomethane	BRL		1.9	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Carbon disulfide	BRL		2.4	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Carbon tetrachloride	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Chlorobenzene	BRL		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Chloroethane	BRL		2.3	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Chloroform	BRL		1.0	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Chloromethane	BRL		1.6	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
cis-1,2-Dichloroethene	BRL		1.6	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
cis-1,3-Dichloropropene	BRL		1.6	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Cyclohexane	BRL		0.96	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Dibromochloromethane	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Dichlorodifluoromethane	BRL		1.3	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Ethylbenzene	BRL		0.43	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Freon-113	BRL		1.1	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Isopropylbenzene	BRL		1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
m,p-Xylene	BRL		0.82	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Methyl acetate	BRL		2.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Methyl tert-butyl ether	BRL		0.99	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Methylcyclohexane	BRL		1.4	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-4
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 6:56:00 PM
Lab ID:	1809J55-030	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		4.3	17	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
o-Xylene	BRL		0.45	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Styrene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Tetrachloroethene	6.6		1.3	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Toluene	BRL		0.46	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
trans-1,2-Dichloroethene	BRL		1.5	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
trans-1,3-Dichloropropene	BRL		1.1	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Trichloroethene	3.7	J	1.2	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Trichlorofluoromethane	BRL		2.0	4.3	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Vinyl chloride	BRL		1.8	8.6	ug/Kg-dry	267666	1	09/25/2018 19:14	AR
Surr: 4-Bromofluorobenzene	98		0	65-133	%REC	267666	1	09/25/2018 19:14	AR
Surr: Dibromofluoromethane	99.5		0	75.8-119	%REC	267666	1	09/25/2018 19:14	AR
Surr: Toluene-d8	97		0	78.3-120	%REC	267666	1	09/25/2018 19:14	AR
PERCENT MOISTURE D2216									
Percent Moisture	22.0		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 7:18:00 PM
Lab ID:	1809J55-031	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.98	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,1-Dichloroethene	BRL		0.73	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,3-Dichlorobenzene	BRL		0.94	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
2-Hexanone	BRL		2.9	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
4-Methyl-2-pentanone	BRL		1.9	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Acetone	27	J	3.7	74	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Carbon disulfide	BRL		2.0	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Carbon tetrachloride	BRL		0.99	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Chloroethane	BRL		2.0	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Chloroform	BRL		0.89	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Chloromethane	BRL		1.4	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
cis-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Dichlorodifluoromethane	BRL		1.1	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Freon-113	BRL		0.96	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
m,p-Xylene	BRL		0.70	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Methyl acetate	8.6		1.9	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Methyl tert-butyl ether	BRL		0.84	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-5
Project Name:	MTL-PWW	**Collection Date:**	9/20/2018 7:18:00 PM
Lab ID:	1809J55-031	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Styrene	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
trans-1,3-Dichloropropene	BRL		0.92	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Vinyl chloride	BRL		1.6	7.4	ug/Kg-dry	267666	1	09/25/2018 19:39	AR
Surr: 4-Bromofluorobenzene	95.6		0	65-133	%REC	267666	1	09/25/2018 19:39	AR
Surr: Dibromofluoromethane	102		0	75.8-119	%REC	267666	1	09/25/2018 19:39	AR
Surr: Toluene-d8	97.3		0	78.3-120	%REC	267666	1	09/25/2018 19:39	AR
PERCENT MOISTURE D2216									
Percent Moisture	10.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 8:17:00 AM
Lab ID:	1809J55-032	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.95	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,1,2-Trichloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,1-Dichloroethane	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,1-Dichloroethene	BRL		0.71	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2-Dibromoethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2-Dichlorobenzene	BRL		1.2	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2-Dichloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,2-Dichloropropane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,3-Dichlorobenzene	BRL		0.92	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
1,4-Dichlorobenzene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
2-Butanone	BRL		4.5	36	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
2-Hexanone	BRL		2.8	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
4-Methyl-2-pentanone	BRL		1.9	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Acetone	17	J	3.7	72	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Benzene	BRL		0.43	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Bromodichloromethane	BRL		0.98	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Bromoform	BRL		0.98	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Bromomethane	BRL		1.6	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Carbon disulfide	BRL		2.0	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Carbon tetrachloride	BRL		0.96	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Chlorobenzene	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Chloroethane	BRL		2.0	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Chloroform	BRL		0.87	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Chloromethane	BRL		1.3	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
cis-1,2-Dichloroethene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
cis-1,3-Dichloropropene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Cyclohexane	BRL		0.81	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Dibromochloromethane	BRL		0.98	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Dichlorodifluoromethane	BRL		1.1	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Ethylbenzene	BRL		0.36	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Freon-113	BRL		0.94	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Isopropylbenzene	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
m,p-Xylene	BRL		0.68	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Methyl acetate	BRL		1.9	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Methyl tert-butyl ether	BRL		0.82	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Methylcyclohexane	BRL		1.2	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	G-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 8:17:00 AM
Lab ID:	1809J55-032	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.6	14	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
o-Xylene	BRL		0.37	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Styrene	BRL		0.95	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Tetrachloroethene	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Toluene	BRL		0.38	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
trans-1,2-Dichloroethene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
trans-1,3-Dichloropropene	BRL		0.89	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Trichloroethene	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Trichlorofluoromethane	BRL		1.7	3.6	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Vinyl chloride	BRL		1.5	7.2	ug/Kg-dry	267666	1	09/25/2018 20:05	AR
Surr: 4-Bromofluorobenzene	108		0	65-133	%REC	267666	1	09/25/2018 20:05	AR
Surr: Dibromofluoromethane	110		0	75.8-119	%REC	267666	1	09/25/2018 20:05	AR
Surr: Toluene-d8	100		0	78.3-120	%REC	267666	1	09/25/2018 20:05	AR
PERCENT MOISTURE D2216									
Percent Moisture	8.63		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-4
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:54:00 AM
Lab ID:	1809J55-033	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,1-Dichloroethene	BRL		0.72	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2-Dibromoethane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,3-Dichlorobenzene	BRL		0.94	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Acetone	20	J	3.7	73	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Carbon tetrachloride	BRL		0.98	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Chloroform	BRL		0.89	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
cis-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Dibromochloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Freon-113	BRL		0.96	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
m,p-Xylene	BRL		0.69	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Methyl tert-butyl ether	BRL		0.84	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-4
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:54:00 AM
Lab ID:	1809J55-033	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Styrene	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Tetrachloroethene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
trans-1,3-Dichloropropene	BRL		0.91	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Vinyl chloride	BRL		1.6	7.3	ug/Kg-dry	267666	1	09/25/2018 20:31	AR
Surr: 4-Bromofluorobenzene	99.3		0	65-133	%REC	267666	1	09/25/2018 20:31	AR
Surr: Dibromofluoromethane	106		0	75.8-119	%REC	267666	1	09/25/2018 20:31	AR
Surr: Toluene-d8	96.1		0	78.3-120	%REC	267666	1	09/25/2018 20:31	AR
PERCENT MOISTURE D2216									
Percent Moisture	8.90		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-5
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:58:00 AM
Lab ID:	1809J55-034	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,1,2-Trichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,1-Dichloroethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,1-Dichloroethene	BRL		0.72	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2,4-Trichlorobenzene	BRL		1.5	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2-Dibromo-3-chloropropane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2-Dibromoethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2-Dichlorobenzene	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2-Dichloroethane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,2-Dichloropropane	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,3-Dichlorobenzene	BRL		0.94	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
1,4-Dichlorobenzene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
2-Butanone	BRL		4.6	37	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Acetone	45	J	3.7	73	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Benzene	BRL		0.44	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Bromodichloromethane	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Bromoform	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Bromomethane	BRL		1.6	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Carbon tetrachloride	BRL		0.98	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Chlorobenzene	BRL		1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Chloroform	BRL		0.89	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
cis-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
cis-1,3-Dichloropropene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Cyclohexane	BRL		0.82	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Dibromochloromethane	BRL		0.99	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Ethylbenzene	BRL		0.37	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Freon-113	BRL		0.96	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Isopropylbenzene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
m,p-Xylene	BRL		0.69	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Methyl acetate	BRL		1.9	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Methyl tert-butyl ether	BRL		0.84	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Methylcyclohexane	BRL		1.2	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-5
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:58:00 AM
Lab ID:	1809J55-034	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
o-Xylene	BRL		0.38	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Styrene	BRL		0.97	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Tetrachloroethene	2.6	J	1.1	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Toluene	BRL		0.39	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
trans-1,2-Dichloroethene	BRL		1.3	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
trans-1,3-Dichloropropene	BRL		0.91	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Trichloroethene	BRL		1.0	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Trichlorofluoromethane	BRL		1.7	3.7	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Vinyl chloride	BRL		1.6	7.3	ug/Kg-dry	267666	1	09/25/2018 20:57	AR
Surr: 4-Bromofluorobenzene	90.9		0	65-133	%REC	267666	1	09/25/2018 20:57	AR
Surr: Dibromofluoromethane	105		0	75.8-119	%REC	267666	1	09/25/2018 20:57	AR
Surr: Toluene-d8	95.3		0	78.3-120	%REC	267666	1	09/25/2018 20:57	AR
PERCENT MOISTURE D2216									
Percent Moisture	8.92		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-5A
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 10:29:00 AM
Lab ID:	1809J55-035	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.88	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,1,2,2-Tetrachloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,1,2-Trichloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,1-Dichloroethane	BRL		0.94	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,1-Dichloroethene	BRL		0.66	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2,4-Trichlorobenzene	BRL		1.3	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2-Dibromo-3-chloropropane	BRL		1.4	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2-Dibromoethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2-Dichlorobenzene	BRL		1.1	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2-Dichloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,2-Dichloropropane	BRL		0.98	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,3-Dichlorobenzene	BRL		0.86	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
1,4-Dichlorobenzene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
2-Butanone	BRL		4.2	33	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
2-Hexanone	BRL		2.6	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
4-Methyl-2-pentanone	BRL		1.7	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Acetone	39	J	3.4	67	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Benzene	BRL		0.40	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Bromodichloromethane	BRL		0.91	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Bromoform	BRL		0.91	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Bromomethane	BRL		1.5	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Carbon disulfide	BRL		1.8	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Carbon tetrachloride	BRL		0.89	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Chlorobenzene	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Chloroethane	BRL		1.8	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Chloroform	BRL		0.81	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Chloromethane	BRL		1.2	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
cis-1,2-Dichloroethene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
cis-1,3-Dichloropropene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Cyclohexane	BRL		0.75	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Dibromochloromethane	BRL		0.91	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Dichlorodifluoromethane	BRL		1.0	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Ethylbenzene	BRL		0.34	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Freon-113	BRL		0.87	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Isopropylbenzene	BRL		0.94	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
m,p-Xylene	BRL		0.63	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Methyl acetate	BRL		1.7	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Methyl tert-butyl ether	BRL		0.76	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Methylcyclohexane	BRL		1.1	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-5A
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 10:29:00 AM
Lab ID:	1809J55-035	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.4	13	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
o-Xylene	BRL		0.35	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Styrene	BRL		0.88	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Tetrachloroethene	1.5	J	1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Toluene	BRL		0.36	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
trans-1,2-Dichloroethene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
trans-1,3-Dichloropropene	BRL		0.83	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Trichloroethene	BRL		0.93	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Trichlorofluoromethane	BRL		1.6	3.3	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Vinyl chloride	BRL		1.4	6.7	ug/Kg-dry	267666	1	09/25/2018 21:22	AR
Surr: 4-Bromofluorobenzene	94.7		0	65-133	%REC	267666	1	09/25/2018 21:22	AR
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	267666	1	09/25/2018 21:22	AR
Surr: Toluene-d8	98.4		0	78.3-120	%REC	267666	1	09/25/2018 21:22	AR
PERCENT MOISTURE D2216									
Percent Moisture	13.1		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 8:45:00 AM
Lab ID:	1809J55-036	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.86	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,1,2,2-Tetrachloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,1,2-Trichloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,1-Dichloroethane	BRL		0.91	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,1-Dichloroethene	BRL		0.64	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2,4-Trichlorobenzene	BRL		1.3	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2-Dibromo-3-chloropropane	BRL		1.4	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2-Dibromoethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2-Dichlorobenzene	BRL		1.1	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2-Dichloroethane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,2-Dichloropropane	BRL		0.95	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,3-Dichlorobenzene	BRL		0.83	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
1,4-Dichlorobenzene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
2-Butanone	BRL		4.0	33	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
2-Hexanone	BRL		2.5	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
4-Methyl-2-pentanone	BRL		1.7	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Acetone	24	J	3.3	65	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Benzene	BRL		0.39	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Bromodichloromethane	BRL		0.88	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Bromoform	BRL		0.88	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Bromomethane	BRL		1.4	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Carbon disulfide	BRL		1.8	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Carbon tetrachloride	BRL		0.87	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Chlorobenzene	BRL		0.97	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Chloroethane	BRL		1.8	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Chloroform	BRL		0.79	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Chloromethane	BRL		1.2	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
cis-1,2-Dichloroethene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
cis-1,3-Dichloropropene	BRL		1.2	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Cyclohexane	BRL		0.73	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Dibromochloromethane	BRL		0.88	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Dichlorodifluoromethane	BRL		0.97	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Ethylbenzene	BRL		0.33	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Freon-113	BRL		0.85	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Isopropylbenzene	BRL		0.92	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
m,p-Xylene	BRL		0.61	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Methyl acetate	BRL		1.7	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Methyl tert-butyl ether	BRL		0.74	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Methylcyclohexane	BRL		1.0	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	H-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 8:45:00 AM
Lab ID:	1809J55-036	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.3	13	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
o-Xylene	BRL		0.34	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Styrene	BRL		0.86	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Tetrachloroethene	BRL		0.98	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Toluene	BRL		0.35	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
trans-1,2-Dichloroethene	BRL		1.1	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
trans-1,3-Dichloropropene	BRL		0.81	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Trichloroethene	BRL		0.90	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Trichlorofluoromethane	BRL		1.5	3.3	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Vinyl chloride	BRL		1.4	6.5	ug/Kg-dry	267666	1	09/25/2018 21:48	AR
Surr: 4-Bromofluorobenzene	101		0	65-133	%REC	267666	1	09/25/2018 21:48	AR
Surr: Dibromofluoromethane	107		0	75.8-119	%REC	267666	1	09/25/2018 21:48	AR
Surr: Toluene-d8	95.9		0	78.3-120	%REC	267666	1	09/25/2018 21:48	AR
PERCENT MOISTURE D2216									
Percent Moisture	7.45		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	I-5
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:42:00 AM
Lab ID:	1809J55-037	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.93	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,1,2-Trichloroethane	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,1-Dichloroethane	BRL		0.99	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,1-Dichloroethene	BRL		0.69	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2-Dibromoethane	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2-Dichlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2-Dichloroethane	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,2-Dichloropropane	BRL		1.0	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,3-Dichlorobenzene	BRL		0.90	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
1,4-Dichlorobenzene	BRL		1.3	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
2-Butanone	BRL		4.4	35	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
2-Hexanone	BRL		2.7	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
4-Methyl-2-pentanone	BRL		1.8	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Acetone	61	J	3.6	70	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Benzene	BRL		0.42	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Bromodichloromethane	BRL		0.95	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Bromoform	BRL		0.95	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Bromomethane	BRL		1.6	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Carbon disulfide	BRL		1.9	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Carbon tetrachloride	BRL		0.94	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Chlorobenzene	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Chloroethane	BRL		1.9	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Chloroform	BRL		0.85	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Chloromethane	BRL		1.3	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
cis-1,2-Dichloroethene	BRL		1.3	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
cis-1,3-Dichloropropene	BRL		1.3	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Cyclohexane	BRL		0.78	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Dibromochloromethane	BRL		0.95	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Dichlorodifluoromethane	BRL		1.0	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Ethylbenzene	BRL		0.35	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Freon-113	BRL		0.92	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Isopropylbenzene	BRL		0.99	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
m,p-Xylene	BRL		0.67	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Methyl acetate	BRL		1.8	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Methyl tert-butyl ether	BRL		0.80	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Methylcyclohexane	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	I-5
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:42:00 AM
Lab ID:	1809J55-037	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.5	14	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
o-Xylene	BRL		0.36	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Styrene	BRL		0.93	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Tetrachloroethene	BRL		1.1	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Toluene	BRL		0.37	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
trans-1,2-Dichloroethene	BRL		1.2	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
trans-1,3-Dichloropropene	BRL		0.87	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Trichloroethene	BRL		0.97	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Trichlorofluoromethane	BRL		1.6	3.5	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Vinyl chloride	BRL		1.5	7.0	ug/Kg-dry	267666	1	09/25/2018 22:13	AR
Surr: 4-Bromofluorobenzene	104		0	65-133	%REC	267666	1	09/25/2018 22:13	AR
Surr: Dibromofluoromethane	111		0	75.8-119	%REC	267666	1	09/25/2018 22:13	AR
Surr: Toluene-d8	96.3		0	78.3-120	%REC	267666	1	09/25/2018 22:13	AR
PERCENT MOISTURE D2216									
Percent Moisture	8.84		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	I-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:32:00 AM
Lab ID:	1809J55-038	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		0.96	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,1,2,2-Tetrachloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,1,2-Trichloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,1-Dichloroethane	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,1-Dichloroethene	BRL		0.72	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2,4-Trichlorobenzene	BRL		1.4	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2-Dibromo-3-chloropropane	BRL		1.5	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2-Dibromoethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2-Dichlorobenzene	BRL		1.2	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2-Dichloroethane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,2-Dichloropropane	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,3-Dichlorobenzene	BRL		0.93	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
1,4-Dichlorobenzene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
2-Butanone	BRL		4.5	36	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
2-Hexanone	BRL		2.8	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
4-Methyl-2-pentanone	BRL		1.9	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Acetone	30	J	3.7	73	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Benzene	BRL		0.43	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Bromodichloromethane	BRL		0.99	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Bromoform	BRL		0.99	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Bromomethane	BRL		1.6	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Carbon disulfide	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Carbon tetrachloride	BRL		0.97	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Chlorobenzene	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Chloroethane	BRL		2.0	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Chloroform	BRL		0.88	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Chloromethane	BRL		1.4	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
cis-1,2-Dichloroethene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
cis-1,3-Dichloropropene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Cyclohexane	BRL		0.81	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Dibromochloromethane	BRL		0.99	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Dichlorodifluoromethane	BRL		1.1	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Ethylbenzene	BRL		0.37	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Freon-113	BRL		0.95	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Isopropylbenzene	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
m,p-Xylene	BRL		0.69	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Methyl acetate	BRL		1.9	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Methyl tert-butyl ether	BRL		0.83	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Methylcyclohexane	BRL		1.2	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	I-6
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018 9:32:00 AM
Lab ID:	1809J55-038	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
Methylene chloride	BRL		3.7	15	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
o-Xylene	BRL		0.38	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Styrene	BRL		0.96	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Tetrachloroethene	BRL		1.1	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Toluene	BRL		0.39	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
trans-1,2-Dichloroethene	BRL		1.3	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
trans-1,3-Dichloropropene	BRL		0.90	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Trichloroethene	BRL		1.0	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Trichlorofluoromethane	BRL		1.7	3.6	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Vinyl chloride	BRL		1.5	7.3	ug/Kg-dry	267666	1	09/25/2018 22:39	AR
Surr: 4-Bromofluorobenzene	98.1		0	65-133	%REC	267666	1	09/25/2018 22:39	AR
Surr: Dibromofluoromethane	104		0	75.8-119	%REC	267666	1	09/25/2018 22:39	AR
Surr: Toluene-d8	100		0	78.3-120	%REC	267666	1	09/25/2018 22:39	AR
PERCENT MOISTURE D2216									
Percent Moisture	9.08		0	0	wt%	R381161	1	09/28/2018 17:07	CG

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018
Lab ID:	1809J55-039	**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	267604	1	09/25/2018 14:29	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	267604	1	09/25/2018 14:29	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	267604	1	09/25/2018 14:29	CC
2-Butanone	BRL		2.5	50	ug/L	267604	1	09/25/2018 14:29	CC
2-Hexanone	BRL		0.67	10	ug/L	267604	1	09/25/2018 14:29	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	267604	1	09/25/2018 14:29	CC
Acetone	BRL		3.6	50	ug/L	267604	1	09/25/2018 14:29	CC
Benzene	BRL		0.37	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Bromoform	BRL		0.19	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Bromomethane	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Chloroethane	BRL		0.31	10	ug/L	267604	1	09/25/2018 14:29	CC
Chloroform	BRL		0.20	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Chloromethane	BRL		0.21	10	ug/L	267604	1	09/25/2018 14:29	CC
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	267604	1	09/25/2018 14:29	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Cyclohexane	BRL		1.0	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	267604	1	09/25/2018 14:29	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Freon-113	BRL		0.32	10	ug/L	267604	1	09/25/2018 14:29	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:29	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Methyl acetate	BRL		0.42	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:29	CC

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018
Lab ID:	1809J55-039	**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	267604	1	09/25/2018 14:29	CC
o-Xylene	BRL		0.18	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Styrene	BRL		0.15	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Toluene	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:29	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	267604	1	09/25/2018 14:29	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Trichloroethene	BRL		0.30	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	267604	1	09/25/2018 14:29	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	267604	1	09/25/2018 14:29	CC
Surr: 4-Bromofluorobenzene	76.1		0	68-127	%REC	267604	1	09/25/2018 14:29	CC
Surr: Dibromofluoromethane	109		0	84.4-122	%REC	267604	1	09/25/2018 14:29	CC
Surr: Toluene-d8	93.6		0	80.1-116	%REC	267604	1	09/25/2018 14:29	CC

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: 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018
Lab ID:	1809J55-040	**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	267604	1	09/25/2018 14:56	CC
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	267604	1	09/25/2018 14:56	CC
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	267604	1	09/25/2018 14:56	CC
2-Butanone	BRL		2.5	50	ug/L	267604	1	09/25/2018 14:56	CC
2-Hexanone	BRL		0.67	10	ug/L	267604	1	09/25/2018 14:56	CC
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	267604	1	09/25/2018 14:56	CC
Acetone	BRL		3.6	50	ug/L	267604	1	09/25/2018 14:56	CC
Benzene	BRL		0.37	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Bromodichloromethane	BRL		0.25	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Bromoform	BRL		0.19	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Bromomethane	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Carbon disulfide	BRL		0.74	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Carbon tetrachloride	BRL		0.29	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Chlorobenzene	BRL		0.42	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Chloroethane	BRL		0.31	10	ug/L	267604	1	09/25/2018 14:56	CC
Chloroform	BRL		0.20	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Chloromethane	BRL		0.21	10	ug/L	267604	1	09/25/2018 14:56	CC
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	267604	1	09/25/2018 14:56	CC
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Cyclohexane	BRL		1.0	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Dibromochloromethane	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Dichlorodifluoromethane	BRL		0.15	10	ug/L	267604	1	09/25/2018 14:56	CC
Ethylbenzene	BRL		0.26	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Freon-113	BRL		0.32	10	ug/L	267604	1	09/25/2018 14:56	CC
Isopropylbenzene	BRL		0.43	5.0	ug/L	267604	1	09/25/2018 14:56	CC
m,p-Xylene	BRL		0.60	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Methyl acetate	BRL		0.42	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Methylcyclohexane	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:56	CC

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:** 1-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL-PWW	**Collection Date:**	9/21/2018
Lab ID:	1809J55-040	**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	267604	1	09/25/2018 14:56	CC
o-Xylene	BRL		0.18	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Styrene	BRL		0.15	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Tetrachloroethene	BRL		0.46	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Toluene	BRL		0.39	5.0	ug/L	267604	1	09/25/2018 14:56	CC
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	267604	1	09/25/2018 14:56	CC
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Trichloroethene	BRL		0.30	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	267604	1	09/25/2018 14:56	CC
Vinyl chloride	BRL		0.30	2.0	ug/L	267604	1	09/25/2018 14:56	CC
Surr: 4-Bromofluorobenzene	71.5		0	68-127	%REC	267604	1	09/25/2018 14:56	CC
Surr: Dibromofluoromethane	121		0	84.4-122	%REC	267604	1	09/25/2018 14:56	CC
Surr: Toluene-d8	97.4		0	80.1-116	%REC	267604	1	09/25/2018 14:56	CC

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

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AES Analytical Environmental Services, Inc.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: ENV INTERNATIONAL — AES Work Order Number: 1809J55

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 0-6ºC? [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 3.3 ºC Cooler 2 Temperature 3.8 ºC Cooler 3 Temperature _____ ºC Cooler 4 Temperature _____ ºC

14. Cooler 5 Temperature _____ ºC Cooler 6 Temperature _____ ºC Cooler 7 Temperature _____ ºC Cooler 8 Temperature _____ ºC

15. Comments:

I certify that I have completed sections 1-15 (dated initials). EMW 9/22/18

		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). EMW 9/22/18

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). EMW 9/22/18

Client: Environmental International Corp
Project Name: MTL-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267604

Sample ID: **MB-267604** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485497**

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267604

Sample ID: **MB-267604** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485497**

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	48.58	0	50.00		97.2	68	127				
Surr: Dibromofluoromethane	49.38	0	50.00		98.8	84.4	122				
Surr: Toluene-d8	47.37	0	50.00		94.7	80.1	116				

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: **267604**

Sample ID: **LCS-267604** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485496**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.02	5.0	50.00		102	69	136				
Benzene	51.02	5.0	50.00		102	73.7	126				
Chlorobenzene	54.58	5.0	50.00		109	73.5	124				
Toluene	52.40	5.0	50.00		105	76.8	125				
Trichloroethene	50.10	5.0	50.00		100	70.9	124				
Surr: 4-Bromofluorobenzene	46.72	0	50.00		93.4	68	127				
Surr: Dibromofluoromethane	48.01	0	50.00		96.0	84.4	122				
Surr: Toluene-d8	48.73	0	50.00		97.5	80.1	116				

Sample ID: **1809F08-001AMS** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485575**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.20	5.0	50.00		102	65.7	143				
Benzene	52.80	5.0	50.00		106	66.1	137				
Chlorobenzene	56.28	5.0	50.00		113	70.9	132				
Toluene	52.96	5.0	50.00		106	63.8	141				
Trichloroethene	51.87	5.0	50.00		104	70.6	128				
Surr: 4-Bromofluorobenzene	48.19	0	50.00		96.4	68	127				
Surr: Dibromofluoromethane	49.87	0	50.00		99.7	84.4	122				
Surr: Toluene-d8	49.02	0	50.00		98.0	80.1	116				

Sample ID: **1809F08-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485578**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	52.03	5.0	50.00		104	65.7	143	51.20	1.61	17.7	
Benzene	52.06	5.0	50.00		104	66.1	137	52.80	1.41	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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: **267604**

Sample ID: **1809F08-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/22/2018** Run No: **380625**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267604** Analysis Date: **09/22/2018** Seq No: **8485578**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	55.95	5.0	50.00		112	70.9	132	56.28	0.588	20	
Toluene	52.84	5.0	50.00		106	63.8	141	52.96	0.227	20	
Trichloroethene	51.53	5.0	50.00		103	70.6	128	51.87	0.658	20	
Surr: 4-Bromofluorobenzene	48.31	0	50.00		96.6	68	127	48.19	0	0	
Surr: Dibromofluoromethane	50.37	0	50.00		101	84.4	122	49.87	0	0	
Surr: Toluene-d8	49.08	0	50.00		98.2	80.1	116	49.02	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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267666

Sample ID: **MB-267666** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487989**

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267666

Sample ID: **MB-267666** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487989**

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	49.94	0	50.00		99.9	65	133				
Surr: Dibromofluoromethane	52.02	0	50.00		104	75.8	119				
Surr: Toluene-d8	49.72	0	50.00		99.4	78.3	120				

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267666

Sample ID: **LCS-267666** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487981**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.19	5.0	50.00		114	64.8	138				
Benzene	52.47	5.0	50.00		105	70	126				
Chlorobenzene	54.28	5.0	50.00		109	70	124				
Toluene	51.08	5.0	50.00		102	70.4	127				
Trichloroethene	53.03	5.0	50.00		106	70.4	129				
Surr: 4-Bromofluorobenzene	48.17	0	50.00		96.3	65	133				
Surr: Dibromofluoromethane	50.29	0	50.00		101	75.8	119				
Surr: Toluene-d8	48.71	0	50.00		97.4	78.3	120				

Sample ID: **1809J55-021AMS** Client ID: **E-2** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487983**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	71.60	6.7	66.51		108	58.3	138				
Benzene	68.60	6.7	66.51		103	66.2	127				
Chlorobenzene	69.95	6.7	66.51		105	66	124				
Toluene	66.93	6.7	66.51		101	67.4	127				
Trichloroethene	68.22	6.7	66.51		103	64.9	127				
Surr: 4-Bromofluorobenzene	65.13	0	66.51		97.9	65	133				
Surr: Dibromofluoromethane	66.85	0	66.51		100	75.8	119				
Surr: Toluene-d8	65.28	0	66.51		98.1	78.3	120				

Sample ID: **1809J55-021AMSD** Client ID: **E-2** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487988**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	75.45	6.7	66.51		113	58.3	138	71.60	5.25	20.2	
Benzene	72.71	6.7	66.51		109	66.2	127	68.60	5.82	18.6	

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267666

Sample ID: **1809J55-021AMSD** Client ID: **E-2** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380691**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267666** Analysis Date: **09/24/2018** Seq No: **8487988**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	71.48	6.7	66.51		107	66	124	69.95	2.16	20	
Toluene	68.02	6.7	66.51		102	67.4	127	66.93	1.62	20	
Trichloroethene	70.11	6.7	66.51		105	64.9	127	68.22	2.73	20	
Surr: 4-Bromofluorobenzene	66.06	0	66.51		99.3	65	133	65.13	0	0	
Surr: Dibromofluoromethane	68.76	0	66.51		103	75.8	119	66.85	0	0	
Surr: Toluene-d8	64.88	0	66.51		97.5	78.3	120	65.28	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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267676

Sample ID: **MB-267676** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488771**

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267676

Sample ID: **MB-267676** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488771**

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	49.23	0	50.00		98.5	65	133				
Surr: Dibromofluoromethane	49.64	0	50.00		99.3	75.8	119				
Surr: Toluene-d8	51.19	0	50.00		102	78.3	120				

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267676

Sample ID: **LCS-267676** Client ID: Units: **ug/Kg** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488758**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	61.09	5.0	50.00		122	64.8	138				
Benzene	52.59	5.0	50.00		105	70	126				
Chlorobenzene	53.04	5.0	50.00		106	70	124				
Toluene	53.74	5.0	50.00		107	70.4	127				
Trichloroethene	51.80	5.0	50.00		104	70.4	129				
Surr: 4-Bromofluorobenzene	50.42	0	50.00		101	65	133				
Surr: Dibromofluoromethane	50.84	0	50.00		102	75.8	119				
Surr: Toluene-d8	50.53	0	50.00		101	78.3	120				

Sample ID: **1809J55-005AMS** Client ID: **A-5** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488766**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	66.71	5.6	56.11		119	58.3	138				
Benzene	57.74	5.6	56.11		103	66.2	127				
Chlorobenzene	57.66	5.6	56.11		103	66	124				
Toluene	59.20	5.6	56.11		106	67.4	127				
Trichloroethene	56.55	5.6	56.11		101	64.9	127				
Surr: 4-Bromofluorobenzene	56.52	0	56.11		101	65	133				
Surr: Dibromofluoromethane	55.96	0	56.11		99.7	75.8	119				
Surr: Toluene-d8	57.57	0	56.11		103	78.3	120				

Sample ID: **1809J55-005AMSD** Client ID: **A-5** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488769**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	69.45	5.6	56.11		124	58.3	138	66.71	4.02	20.2	
Benzene	60.04	5.6	56.11		107	66.2	127	57.74	3.91	18.6	

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267676

Sample ID: **1809J55-005AMSD** Client ID: **A-5** Units: **ug/Kg-dry** Prep Date: **09/24/2018** Run No: **380702**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267676** Analysis Date: **09/24/2018** Seq No: **8488769**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	60.16	5.6	56.11		107	66	124	57.66	4.25	20	
Toluene	62.82	5.6	56.11		112	67.4	127	59.20	5.94	20	
Trichloroethene	58.88	5.6	56.11		105	64.9	127	56.55	4.04	20	
Surr: 4-Bromofluorobenzene	55.04	0	56.11		98.1	65	133	56.52	0	0	
Surr: Dibromofluoromethane	55.34	0	56.11		98.6	75.8	119	55.96	0	0	
Surr: Toluene-d8	57.38	0	56.11		102	78.3	120	57.57	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		

Client: Environmental International Corp
Project Name: MTL-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: **267905**

Sample ID: **MB-267905** Client ID: Units: **ug/Kg** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8497818**

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: **267905**

Sample ID: **MB-267905** Client ID: Units: **ug/Kg** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8497818**

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	2518	0	2500		101	65	133				
Surr: Dibromofluoromethane	2762	0	2500		110	75.8	119				
Surr: Toluene-d8	2419	0	2500		96.8	78.3	120				

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: 267905

Sample ID: **LCS-267905** Client ID: Units: **ug/Kg** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8498020**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2636	250	2500		105	64.8	138				
Benzene	2554	250	2500		102	70	126				
Chlorobenzene	2824	250	2500		113	70	124				
Toluene	2802	250	2500		112	70.4	127				
Trichloroethene	2831	250	2500		113	70.4	129				
Surr: 4-Bromofluorobenzene	2568	0	2500		103	65	133				
Surr: Dibromofluoromethane	2496	0	2500		99.9	75.8	119				
Surr: Toluene-d8	2516	0	2500		101	78.3	120				

Sample ID: **1809J55-027AMS** Client ID: **F-5** Units: **ug/Kg-dry** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8499988**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1821	190	1893		96.2	58.3	138				
Benzene	1962	190	1893		104	66.2	127				
Chlorobenzene	2088	190	1893		110	66	124				
Toluene	2025	190	1893		107	67.4	127				
Trichloroethene	2260	190	1893	134.4	112	64.9	127				
Surr: 4-Bromofluorobenzene	1926	0	1893		102	65	133				
Surr: Dibromofluoromethane	1843	0	1893		97.3	75.8	119				
Surr: Toluene-d8	1853	0	1893		97.9	78.3	120				

Sample ID: **1809J55-027AMSD** Client ID: **F-5** Units: **ug/Kg-dry** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8499990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1705	190	1893		90.1	58.3	138	1821	6.59	20.2	
Benzene	1911	190	1893		101	66.2	127	1962	2.64	18.6	

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-PWW
Workorder: 1809J55

ANALYTICAL QC SUMMARY REPORT

BatchID: **267905**

Sample ID: **1809J55-027AMSD** Client ID: **F-5** Units: **ug/Kg-dry** Prep Date: **09/28/2018** Run No: **381151**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267905** Analysis Date: **09/28/2018** Seq No: **8499990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2050	190	1893		108	66	124	2088	1.83	20	
Toluene	1920	190	1893		101	67.4	127	2025	5.36	20	
Trichloroethene	2213	190	1893	134.4	110	64.9	127	2260	2.10	20	
Surr: 4-Bromofluorobenzene	1909	0	1893		101	65	133	1926	0	0	
Surr: Dibromofluoromethane	1879	0	1893		99.3	75.8	119	1843	0	0	
Surr: Toluene-d8	1819	0	1893		96.1	78.3	120	1853	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		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

October 12, 2018

Stephen Helmly
Environmental International Corp

161 Kimball Bridge Rd
Alpharetta GA 30009

RE: MTL PWW

Dear Stephen Helmly: Order No: 1810490

Analytical Environmental Services, Inc. received 4 samples on 10/4/2018 4:33:00 PM 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:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-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 11/01/19.
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: 1810490

Date: 10-4-18 Page 1 of 1

COMPANY: EIC

ADDRESS: 161 Kimball Bridge RD Suite 100 Alpharetta GA

PHONE: 770-772-7100

EMAIL: SHELMLY@EFCUSA.COM

SAMPLED BY: S.H. R.A.

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8260B, 8260B

Visit our website www.aesatlanta.com for downloadable COCs and to log in to your AESAccess account.

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): S/M+I	PRESERVATION (see codes): H+I	REMARKS	Number of Containers
1	D-5	10-3	1615	X		SO	X			4
2	E-5	10-3	1725	X		SO	X			4
3	Rinsate	10-3	1735	X		W		X		2
4	Trip Blank	—	—			W		X		2
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	10/4/18 1633	1. Monivell Ahmed	10/4/18 4:33pm
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

SHIPMENT METHOD
OUT: / / VIA:
IN: / / VIA:
client FedEx UPS US mail courier
other: _____

PROJECT INFORMATION
PROJECT NAME: MIL PWW
PROJECT #: 460025
SITE ADDRESS:
SEND REPORT TO: ALAN SANDERS + STEPHEN HELMLY
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 12

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 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. Client assumes sole responsibility for damage or loss of samples before we accept them. 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 arrangements are made.

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water ST=Stormwater 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

7.11.18_CO

White Copy - Original; Yellow Copy - Client

Client: Environmental International Corp
Project: MTL PWW
Lab ID: 1810490

Case Narrative

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1810490-001A, & -002 A 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: 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-5
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 4:15:00 PM
Lab ID:	1810490-001	**Matrix:**	Soil

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	DF	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B					**(SW5035)**				
1,1,1-Trichloroethane	BRL		1.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,1,2,2-Tetrachloroethane	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,1,2-Trichloroethane	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,1-Dichloroethane	BRL		1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,1-Dichloroethene	BRL		1.00	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2,4-Trichlorobenzene	BRL		2.0	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2-Dibromo-3-chloropropane	BRL		2.1	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2-Dibromoethane	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2-Dichlorobenzene	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2-Dichloroethane	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,2-Dichloropropane	BRL		1.5	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,3-Dichlorobenzene	BRL		1.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
1,4-Dichlorobenzene	BRL		1.8	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
2-Butanone	BRL		6.3	51	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
2-Hexanone	BRL		3.9	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
4-Methyl-2-pentanone	BRL		2.6	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Acetone	40	J	5.1	100	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Benzene	BRL		0.60	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Bromodichloromethane	BRL		1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Bromoform	BRL		1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Bromomethane	BRL		2.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Carbon disulfide	BRL		2.8	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Carbon tetrachloride	BRL		1.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Chlorobenzene	BRL		1.5	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Chloroethane	BRL		2.7	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Chloroform	BRL		1.2	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Chloromethane	BRL		1.9	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
cis-1,2-Dichloroethene	310		79	220	ug/Kg-dry	268662	50	10/11/2018 18:23	CC
cis-1,3-Dichloropropene	BRL		1.8	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Cyclohexane	BRL		1.1	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Dibromochloromethane	BRL		1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Dichlorodifluoromethane	BRL		1.5	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Ethylbenzene	BRL		0.51	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Freon-113	BRL		1.3	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Isopropylbenzene	BRL		1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
m,p-Xylene	BRL		0.96	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Methyl acetate	BRL		2.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Methyl tert-butyl ether	BRL		1.2	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Methylcyclohexane	BRL		1.6	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	D-5
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 4:15:00 PM
Lab ID:	1810490-001	**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	268545	1	10/09/2018 21:12	AR
o-Xylene	BRL		0.52	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Styrene	BRL		1.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Tetrachloroethene	7.0		1.5	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Toluene	5.0	J	0.54	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
trans-1,2-Dichloroethene	19		1.8	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
trans-1,3-Dichloropropene	BRL		1.3	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Trichloroethene	3.1	J	1.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Trichlorofluoromethane	BRL		2.4	5.1	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Vinyl chloride	12		2.1	10	ug/Kg-dry	268545	1	10/09/2018 21:12	AR
Surr: 4-Bromofluorobenzene	92.8		0	65-133	%REC	268662	50	10/11/2018 18:23	CC
Surr: 4-Bromofluorobenzene	73.1		0	65-133	%REC	268545	1	10/09/2018 21:12	AR
Surr: Dibromofluoromethane	83.8		0	75.8-119	%REC	268662	50	10/11/2018 18:23	CC
Surr: Dibromofluoromethane	103		0	75.8-119	%REC	268545	1	10/09/2018 21:12	AR
Surr: Toluene-d8	97.2		0	78.3-120	%REC	268662	50	10/11/2018 18:23	CC
Surr: Toluene-d8	94.9		0	78.3-120	%REC	268545	1	10/09/2018 21:12	AR
PERCENT MOISTURE D2216									
Percent Moisture	28.8		0	0	wt%	R381770	1	10/08/2018 17:00	JC

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-5
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 5:25:00 PM
Lab ID:	1810490-002	**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	268545	1	10/09/2018 21:38	AR
1,1,2,2-Tetrachloroethane	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,1,2-Trichloroethane	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,1-Dichloroethane	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,1-Dichloroethene	BRL		0.80	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2,4-Trichlorobenzene	BRL		1.6	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2-Dibromo-3-chloropropane	BRL		1.7	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2-Dibromoethane	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2-Dichlorobenzene	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2-Dichloroethane	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,2-Dichloropropane	BRL		1.2	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,3-Dichlorobenzene	BRL		1.0	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
1,4-Dichlorobenzene	BRL		1.5	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
2-Butanone	BRL		5.1	41	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
2-Hexanone	BRL		3.2	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
4-Methyl-2-pentanone	BRL		2.1	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Acetone	8.4	J	4.1	82	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Benzene	BRL		0.49	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Bromodichloromethane	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Bromoform	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Bromomethane	BRL		1.8	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Carbon disulfide	BRL		2.2	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Carbon tetrachloride	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Chlorobenzene	BRL		1.2	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Chloroethane	BRL		2.2	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Chloroform	BRL		0.99	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Chloromethane	BRL		1.5	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
cis-1,2-Dichloroethene	98		1.5	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
cis-1,3-Dichloropropene	BRL		1.5	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Cyclohexane	BRL		0.91	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Dibromochloromethane	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Dichlorodifluoromethane	BRL		1.2	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Ethylbenzene	BRL		0.41	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Freon-113	BRL		1.1	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Isopropylbenzene	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
m,p-Xylene	BRL		0.77	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Methyl acetate	BRL		2.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Methyl tert-butyl ether	BRL		0.93	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Methylcyclohexane	BRL		1.3	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	E-5
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 5:25:00 PM
Lab ID:	1810490-002	**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	268545	1	10/09/2018 21:38	AR
o-Xylene	BRL		0.42	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Styrene	BRL		1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Tetrachloroethene	4.6		1.2	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Toluene	BRL		0.43	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
trans-1,2-Dichloroethene	8.2		1.4	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
trans-1,3-Dichloropropene	BRL		1.0	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Trichloroethene	1.9	J	1.1	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Trichlorofluoromethane	BRL		1.9	4.1	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Vinyl chloride	9.0		1.7	8.2	ug/Kg-dry	268545	1	10/09/2018 21:38	AR
Surr: 4-Bromofluorobenzene	70		0	65-133	%REC	268545	1	10/09/2018 21:38	AR
Surr: Dibromofluoromethane	107		0	75.8-119	%REC	268545	1	10/09/2018 21:38	AR
Surr: Toluene-d8	90.8		0	78.3-120	%REC	268545	1	10/09/2018 21:38	AR
PERCENT MOISTURE D2216									
Percent Moisture	18.2		0	0	wt%	R381770	1	10/08/2018 17:00	JC

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	RINSATE
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 5:35:00 PM
Lab ID:	1810490-003	**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	268425	1	10/08/2018 20:15	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	268425	1	10/08/2018 20:15	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	268425	1	10/08/2018 20:15	OM
2-Butanone	BRL		2.5	50	ug/L	268425	1	10/08/2018 20:15	OM
2-Hexanone	BRL		0.67	10	ug/L	268425	1	10/08/2018 20:15	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	268425	1	10/08/2018 20:15	OM
Acetone	BRL		3.6	50	ug/L	268425	1	10/08/2018 20:15	OM
Benzene	BRL		0.37	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Bromoform	BRL		0.19	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Bromomethane	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Chloroethane	BRL		0.31	10	ug/L	268425	1	10/08/2018 20:15	OM
Chloroform	BRL		0.20	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Chloromethane	BRL		0.21	10	ug/L	268425	1	10/08/2018 20:15	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	268425	1	10/08/2018 20:15	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Cyclohexane	BRL		1.0	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	268425	1	10/08/2018 20:15	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Freon-113	BRL		0.32	10	ug/L	268425	1	10/08/2018 20:15	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 20:15	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Methyl acetate	BRL		0.42	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 20:15	OM

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	RINSATE
Project Name:	MTL PWW	**Collection Date:**	10/3/2018 5:35:00 PM
Lab ID:	1810490-003	**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	268425	1	10/08/2018 20:15	OM
o-Xylene	BRL		0.18	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Styrene	BRL		0.15	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Toluene	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 20:15	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	268425	1	10/08/2018 20:15	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Trichloroethene	BRL		0.30	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	268425	1	10/08/2018 20:15	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	268425	1	10/08/2018 20:15	OM
Surr: 4-Bromofluorobenzene	94.6		0	68-127	%REC	268425	1	10/08/2018 20:15	OM
Surr: Dibromofluoromethane	96.2		0	84.4-122	%REC	268425	1	10/08/2018 20:15	OM
Surr: Toluene-d8	99.4		0	80.1-116	%REC	268425	1	10/08/2018 20:15	OM

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL PWW	**Collection Date:**	10/3/2018
Lab ID:	1810490-004	**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	268425	1	10/08/2018 19:50	OM
1,1,2,2-Tetrachloroethane	BRL		0.34	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,1,2-Trichloroethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,1-Dichloroethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,1-Dichloroethene	BRL		0.40	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2,4-Trichlorobenzene	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2-Dibromo-3-chloropropane	BRL		0.68	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2-Dibromoethane	BRL		0.57	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2-Dichlorobenzene	BRL		0.45	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2-Dichloroethane	BRL		0.37	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,2-Dichloropropane	BRL		0.35	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,3-Dichlorobenzene	BRL		0.31	5.0	ug/L	268425	1	10/08/2018 19:50	OM
1,4-Dichlorobenzene	BRL		0.33	5.0	ug/L	268425	1	10/08/2018 19:50	OM
2-Butanone	BRL		2.5	50	ug/L	268425	1	10/08/2018 19:50	OM
2-Hexanone	BRL		0.67	10	ug/L	268425	1	10/08/2018 19:50	OM
4-Methyl-2-pentanone	BRL		0.44	10	ug/L	268425	1	10/08/2018 19:50	OM
Acetone	BRL		3.6	50	ug/L	268425	1	10/08/2018 19:50	OM
Benzene	BRL		0.37	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Bromodichloromethane	BRL		0.25	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Bromoform	BRL		0.19	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Bromomethane	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Carbon disulfide	BRL		0.74	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Carbon tetrachloride	BRL		0.29	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Chlorobenzene	BRL		0.42	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Chloroethane	BRL		0.31	10	ug/L	268425	1	10/08/2018 19:50	OM
Chloroform	BRL		0.20	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Chloromethane	BRL		0.21	10	ug/L	268425	1	10/08/2018 19:50	OM
cis-1,2-Dichloroethene	BRL		0.28	5.0	ug/L	268425	1	10/08/2018 19:50	OM
cis-1,3-Dichloropropene	BRL		0.31	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Cyclohexane	BRL		1.0	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Dibromochloromethane	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Dichlorodifluoromethane	BRL		0.15	10	ug/L	268425	1	10/08/2018 19:50	OM
Ethylbenzene	BRL		0.26	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Freon-113	BRL		0.32	10	ug/L	268425	1	10/08/2018 19:50	OM
Isopropylbenzene	BRL		0.43	5.0	ug/L	268425	1	10/08/2018 19:50	OM
m,p-Xylene	BRL		0.60	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Methyl acetate	BRL		0.42	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Methyl tert-butyl ether	BRL		0.45	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Methylcyclohexane	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 19:50	OM

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:** 12-Oct-18

Client:	Environmental International Corp	**Client Sample ID:**	TRIP BLANK
Project Name:	MTL PWW	**Collection Date:**	10/3/2018
Lab ID:	1810490-004	**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	268425	1	10/08/2018 19:50	OM
o-Xylene	BRL		0.18	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Styrene	BRL		0.15	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Tetrachloroethene	BRL		0.46	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Toluene	BRL		0.39	5.0	ug/L	268425	1	10/08/2018 19:50	OM
trans-1,2-Dichloroethene	BRL		0.30	5.0	ug/L	268425	1	10/08/2018 19:50	OM
trans-1,3-Dichloropropene	BRL		0.32	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Trichloroethene	BRL		0.30	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Trichlorofluoromethane	BRL		0.18	5.0	ug/L	268425	1	10/08/2018 19:50	OM
Vinyl chloride	BRL		0.30	2.0	ug/L	268425	1	10/08/2018 19:50	OM
Surr: 4-Bromofluorobenzene	92.4		0	68-127	%REC	268425	1	10/08/2018 19:50	OM
Surr: Dibromofluoromethane	95.2		0	84.4-122	%REC	268425	1	10/08/2018 19:50	OM
Surr: Toluene-d8	98.6		0	80.1-116	%REC	268425	1	10/08/2018 19:50	OM

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

Clear | Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Environmental International Corp** AES Work Order Number: **1810490**

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 1.6 °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). MJ 10/4/18

		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). MH 10/5/18

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). MH 10/5/18

Client: Environmental International Corp
Project Name: MTL PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268425

Sample ID: **MB-268425** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/08/2018** Seq No: **8516090**

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268425

Sample ID: **MB-268425** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/08/2018** Seq No: **8516090**

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	46.50	0	50.00		93.0	68	127				
Surr: Dibromofluoromethane	48.88	0	50.00		97.8	84.4	122				
Surr: Toluene-d8	49.61	0	50.00		99.2	80.1	116				

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: **268425**

Sample ID: **LCS-268425** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/08/2018** Seq No: **8516092**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.92	5.0	50.00		114	69	136				
Benzene	54.76	5.0	50.00		110	73.7	126				
Chlorobenzene	56.22	5.0	50.00		112	73.5	124				
Toluene	57.54	5.0	50.00		115	76.8	125				
Trichloroethene	57.58	5.0	50.00		115	70.9	124				
Surr: 4-Bromofluorobenzene	48.15	0	50.00		96.3	68	127				
Surr: Dibromofluoromethane	48.74	0	50.00		97.5	84.4	122				
Surr: Toluene-d8	49.16	0	50.00		98.3	80.1	116				

Sample ID: **1810491-029AMS** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/09/2018** Seq No: **8516068**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.80	5.0	50.00		112	65.7	143				
Benzene	54.21	5.0	50.00		108	66.1	137				
Chlorobenzene	55.55	5.0	50.00		111	70.9	132				
Toluene	57.14	5.0	50.00		114	63.8	141				
Trichloroethene	56.38	5.0	50.00		113	70.6	128				
Surr: 4-Bromofluorobenzene	47.06	0	50.00		94.1	68	127				
Surr: Dibromofluoromethane	47.94	0	50.00		95.9	84.4	122				
Surr: Toluene-d8	49.47	0	50.00		98.9	80.1	116				

Sample ID: **1810491-029AMSD** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/09/2018** Seq No: **8516069**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.08	5.0	50.00		108	65.7	143	55.80	3.13	17.7	
Benzene	55.06	5.0	50.00		110	66.1	137	54.21	1.56	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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: **268425**

Sample ID: **1810491-029AMSD** Client ID: Units: **ug/L** Prep Date: **10/08/2018** Run No: **381807**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268425** Analysis Date: **10/09/2018** Seq No: **8516069**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	57.07	5.0	50.00		114	70.9	132	55.55	2.70	20	
Toluene	58.25	5.0	50.00		116	63.8	141	57.14	1.92	20	
Trichloroethene	56.53	5.0	50.00		113	70.6	128	56.38	0.266	20	
Surr: 4-Bromofluorobenzene	47.18	0	50.00		94.4	68	127	47.06	0	0	
Surr: Dibromofluoromethane	47.59	0	50.00		95.2	84.4	122	47.94	0	0	
Surr: Toluene-d8	48.87	0	50.00		97.7	80.1	116	49.47	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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268545

Sample ID: **MB-268545** Client ID: Units: **ug/Kg** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517528**

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									
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									
cis-1,2-Dichloroethene	BRL	5.0									

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268545

Sample ID: **MB-268545** Client ID: Units: **ug/Kg** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517528**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
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	44.47	0	50.00		88.9	65	133				
Surr: Dibromofluoromethane	52.68	0	50.00		105	75.8	119				
Surr: Toluene-d8	48.55	0	50.00		97.1	78.3	120				

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268545

Sample ID: **LCS-268545** Client ID: Units: **ug/Kg** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517527**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	49.14	5.0	50.00		98.3	64.8	138				
Benzene	52.15	5.0	50.00		104	70	126				
Chlorobenzene	57.59	5.0	50.00		115	70	124				
Toluene	52.54	5.0	50.00		105	70.4	127				
Trichloroethene	51.81	5.0	50.00		104	70.4	129				
Surr: 4-Bromofluorobenzene	43.51	0	50.00		87.0	65	133				
Surr: Dibromofluoromethane	49.05	0	50.00		98.1	75.8	119				
Surr: Toluene-d8	48.80	0	50.00		97.6	78.3	120				

Sample ID: **1810776-002AMS** Client ID: **EB-2A** Units: **ug/Kg-dry** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517530**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	57.05	6.5	64.69		88.2	58.3	138				
Benzene	62.37	6.5	64.69		96.4	66.2	127				
Chlorobenzene	67.46	6.5	64.69		104	66	124				
Toluene	61.02	6.5	64.69		94.3	67.4	127				
Trichloroethene	59.96	6.5	64.69		92.7	64.9	127				
Surr: 4-Bromofluorobenzene	57.73	0	64.69		89.2	65	133				
Surr: Dibromofluoromethane	65.16	0	64.69		101	75.8	119				
Surr: Toluene-d8	63.43	0	64.69		98.0	78.3	120				

Sample ID: **1810776-002AMSD** Client ID: **EB-2A** Units: **ug/Kg-dry** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517532**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	55.04	6.5	64.69		85.1	58.3	138	57.05	3.58	20.2	
Benzene	62.30	6.5	64.69		96.3	66.2	127	62.37	0.104	18.6	

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: **268545**

Sample ID: **1810776-002AMSD** Client ID: **EB-2A** Units: **ug/Kg-dry** Prep Date: **10/09/2018** Run No: **381859**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268545** Analysis Date: **10/09/2018** Seq No: **8517532**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	68.43	6.5	64.69		106	66	124	67.46	1.43	20	
Toluene	60.55	6.5	64.69		93.6	67.4	127	61.02	0.766	20	
Trichloroethene	59.30	6.5	64.69		91.7	64.9	127	59.96	1.11	20	
Surr: 4-Bromofluorobenzene	58.26	0	64.69		90.1	65	133	57.73	0	0	
Surr: Dibromofluoromethane	66.21	0	64.69		102	75.8	119	65.16	0	0	
Surr: Toluene-d8	64.06	0	64.69		99.0	78.3	120	63.43	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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268662

Sample ID: **MB-268662** Client ID: Units: **ug/Kg** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8521998**

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268662

Sample ID: **MB-268662** Client ID: Units: **ug/Kg** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8521998**

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	1992	0	2500		79.7	65	133				
Surr: Dibromofluoromethane	2526	0	2500		101	75.8	119				
Surr: Toluene-d8	2399	0	2500		96.0	78.3	120				

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: 268662

Sample ID: **LCS-268662** Client ID: Units: **ug/Kg** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8521265**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2010	250	2500		80.4	64.8	138				
Benzene	2256	250	2500		90.3	70	126				
Chlorobenzene	3093	250	2500		124	70	124				
Toluene	2453	250	2500		98.1	70.4	127				
Trichloroethene	2570	250	2500		103	70.4	129				
Surr: 4-Bromofluorobenzene	1871	0	2500		74.8	65	133				
Surr: Dibromofluoromethane	2474	0	2500		98.9	75.8	119				
Surr: Toluene-d8	2310	0	2500		92.4	78.3	120				

Sample ID: **1810444-002AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8522678**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1920	240	2420		79.3	58.3	138				
Benzene	2656	240	2420		110	66.2	127				
Chlorobenzene	2350	240	2420	202.3	88.7	66	124				
Toluene	2445	240	2420	60.51	98.5	67.4	127				
Trichloroethene	2553	240	2420		105	64.9	127				
Surr: 4-Bromofluorobenzene	2432	0	2420		100	65	133				
Surr: Dibromofluoromethane	2190	0	2420		90.5	75.8	119				
Surr: Toluene-d8	2410	0	2420		99.6	78.3	120				

Sample ID: **1810444-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8522679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1986	240	2420		82.1	58.3	138	1920	3.37	20.2	
Benzene	2859	240	2420		118	66.2	127	2656	7.34	18.6	

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 PWW
Workorder: 1810490

ANALYTICAL QC SUMMARY REPORT

BatchID: **268662**

Sample ID: **1810444-002AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **10/11/2018** Run No: **381989**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **268662** Analysis Date: **10/11/2018** Seq No: **8522679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2544	240	2420	202.3	96.7	66	124	2350	7.93	20	
Toluene	2668	240	2420	60.51	108	67.4	127	2445	8.73	20	
Trichloroethene	2844	240	2420		118	64.9	127	2553	10.8	20	
Surr: 4-Bromofluorobenzene	2488	0	2420		103	65	133	2432	0	0	
Surr: Dibromofluoromethane	2125	0	2420		87.8	75.8	119	2190	0	0	
Surr: Toluene-d8	2441	0	2420		101	78.3	120	2410	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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 7-1 PRETREATMENT PERMIT APPLICATION

Environmental International Corporation
161 Kimball Bridge Road, Suite 100, Alpharetta, GA 30009
Phone: 770-772-7100, Fax: 770-772-0555
Website: www.eicusa.com

Our Contribution to the Environment®

May 25, 2018

Georgia Department of Natural Resources
EPD – Watershed Protection Branch
Attention: Industrial Permitting Unit
2 Martin Luther King Jr. Drive
Suite 1152
Atlanta, Georgia 30334

Subject: Application for Pretreatment Permit
Former McKenzie Tank Lines Site
HSI Site No. 10406
111 Grange Road, Port Wentworth, Georgia

Dear Recipient:

On behalf of McKenzie Tank Lines, Inc. (MTL), Environmental International Corporation (EIC) is pleased to submit the attached Pretreatment Permit Application for Discharge to a Publicly Owned Treatment Works for the above referenced site.

Enclosed are the following:

1. One completed and signed Georgia Environmental Protection Division (EPD) Pretreatment Permit Application with the following exhibits:
    a. Site layout map
    b. Schematic flow diagram of groundwater treatment system
    c. Sewer Use Ordinance (SUO) for the City of Port Wentworth

If you have any questions regarding this submittal, please contact Mr. Joshua Shelton of MTL at 850-350-2224 or me at the above location.

Sincerely,

ENVIRONMENTAL INTERNATIONAL CORPORATION

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

Cc: Joshua Shelton, McKenzie Tank Lines
Thomas F. Panebianco, McKenzie Tank Lines

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Pretreatment Permit Application
For Discharge(s) to a Publically Owned Treatment Works

Section A. General Instructions

- To be completed by persons engaged industrial manufacturing, mining or commercial operations which generate pollutants which are discharged to publicly owned treatment works (POTW).
- To expedite the processing of the application, unless stated otherwise, all items are to be filled out completely. Your application will not be considered complete unless every question is answered on this form. If an item is not applicable, indicate by noting "NA" to show that you considered the question.
- For any section of this application attach additional sheets as necessary.
- EPD may return incomplete applications to the sender if we are unable to process the incomplete application.
- Additional information may be required upon request.

Section B. Attachments

Please provide the following attachments to the permit application. Please be sure to label them as appropriate.

1. Site map showing the layout of the facility.
2. A schematic flow diagram of the wastewater treatment system with flow volumes and sampling locations.
3. Sewer Use Ordinance (SUO) as provided by the POTW.
4. Baseline Monitoring Report (BMR)
5. Accidental Spill Prevention Plan (ASPP).
6. If applicable, Toxic Organics Management Plan (TOMP)

Section C. Signatory Requirements

The application is to be signed by a designated responsible official as follows:

For a corporation: by a responsible corporate official. A responsible corporate official means (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. For a partnership or sole proprietorship: by a general partner or the proprietor.

Section D. Submittal of Application

Mail completed application packages to:

Georgia Department of Natural Resources
EPD – Watershed Protection Branch
Attention: Industrial Permitting Unit
2 Martin Luther King Jr. Drive
Suite 1152
Atlanta, Georgia 30334

Section E. Common Acronyms Found in the Application

a. CIU – Categorical Industrial User
b. CFR – Code of Federal Regulations
c. EPD – Environmental Protection Division
d. IU – Industrial User
e. NPDES - National Pollutant Discharge Elimination System
f. POTW – Publicly Owned Treatment Works
g. SIU – Significant Industrial User
h. SUO – Sewer Use Ordinance

Section F. Significant Definitions

1. Significant Industrial User (SIU) per 40 CFR 403.3(v) is any of the following:

   a. All industrial users subject to categorical pretreatment standards under 40 CFR 403.6 and 40 CFR Chapter I, subchapter N.

   b. A Categorical Industrial User (CIU).

   c. A discharger that contributes 25,000 gallons per day of process wastewater to collection system **or** 5% of the hydraulic, organic or solids loading of the POTW **or** Designated by the EPD on the basis that the IU has a reasonable potential for affecting the POTW.

2. Categorical Industrial User

   A categorical industrial user (CIU) is a facility that meets these conditions:

   a. The industrial activity performed at the facility is regulated by one or more of the federal regulations found in Title 40 Code of Federal Regulations (40 CFR).

   b. The facility discharges *process* wastewater to a Publicly Owned Treatment Works (POTW)

   If you are a CIU, then you must comply with the categorical pretreatment standards specified in the federal regulations **and** any local limits (ex. SUO) established by the POTW that receives your wastewater discharge.

Section G. Significant Industrial Categories

The table below lists the significant industrial categories and the types of pollutants that must be analyzed and submitted in Section K.3 of this application.

INDUSTRIAL CATEGORY	Volatile	Acid Compounds	Base / Neutral Compounds	Pesticide
Adhesives and Sealants	x	x	x	-
Aluminum Forming	x	x	x	-
Auto and other laundries	x	x	x	x
Battery Manufacturing	x	x	x	-
Coal Mining	x	x	x	x
Coil Coating	x	x	x	-
Copper Forming	x	x	x	-
Electric and Electronic Compounds	x	x	x	x
Electroplating	x	x	x	-
Explosives Manufacturing	-	x	x	-
Foundries	x	x	x	-
Gum and Wood Chemicals	x	x	x	x
Inorganic Chemicals Manufacturing	x	x	x	-
Iron and Steel Manufacturing	x	x	x	-
Leather Tanning and Finishing	x	x	x	x
Mechanical Products Manufacturing	x	x	x	-
Metal Finishing	x	x	x	-
Nonferrous Metals Manufacturing	x	x	x	x
Ore Mining and Dressing	x	x	x	x
Organic Chemicals Plastic and Synthetic Fibers	x	x	x	x
Paint and Ink Formulating	x	x	x	x
Pesticides Chemicals	x	x	x	x
Petroleum Refining	x	x	x	x
Pharmaceutical Manufacturing	x	x	x	-
Photographic Equipment and Supplies	x	x	x	x
Plastics and Synthetic Materials Manufacturing	x	x	x	x
Plastic Processing	x	-	-	-
Pulp, Paper, and Paperboard	x	x	x	-
Rubber Manufacturing	x	x	x	-
Porcelain Enameling	x	-	x	x
Printing and Publishing	x	x	x	x
Soap and Detergent Manufacturing	x	x	x	-
Steam Electric Power Generating	x	x	x	-
Textile Mills	x	x	x	x
Timber Products Processing	x	x	x	x

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Pretreatment Permit Application
For Discharge(s) to a Publically Owned Treatment Works

Check Applicable Box:

☒ ***New Permit*** ☐ ***Existing Permit*** ***(Permit No.:***

SECTION A. CONTACT & FACILITY INFORMATION			
Owner of Facility Name: McKenzie Tank Lines			
Industrial Facility Name: MTL Groundwater Treatment System			
Permit Application Contact Name (first & last): Shelton, Joshua			
Title: Vice President			
E-mail Address: jshelton@mckenzietank.com	Phone: (850)-350-2224		
Facility Mailing Address (Street or P.O. box): P.O. Box 1200			
City: Tallahassee	State: FL	Zip: 32302	
Facility Location Street: 2 Main Street			
City: Garden City	State: GA	Zip: 31408	County: Chatham
Facility Latitude/Longitude (ex. 34.5364, -84.8045): 32.137093, -81.153281			
SIC Code(s) (4-digit in order of priority) 1st: 2nd: 3rd: 4th	NAICS Code(s): not applicable		

SECTION B. DESIGNATED SIGNATORY AUTHORITY FOR THE FACILITY		
Name/Title: Joshua Shelton - Vice President		
E-mail Address: jshelton@mckenzietank.com	Phone: (850)-350-2224	
Mailing Address Street or P.O. box: P.O. Box 1200		
City: Tallahassee	State: FL	Zip: 32302

SECTION C. GENERAL INFORMATION

1. Is the building currently connected to the POTW sanitary sewer system? ☐ Yes ☒ No

1.a. If no, please provide estimated date of connection: September 1, 2018

2. Does the building have a separate sanitary sewer line to the PTW sanitary sewer system? This is a separate sanitary sewer line from the process wastewater line.

   ☐ Yes ☒ No

3. Does the facility's discharge meet the requirements for a Significant Industrial User (SIU) (defined in the Application Instructions? ☐ Yes ☒ No

4. Do you have any other Federal, State, or local environmental permits? ☐ Yes ☒ No

4.a. If yes, complete the following table. provide permit type, number, and issuance date:

Permit Type	Permit Number	Permit Issuance Date

SECTION D. BUSINESS ACTIVITY

1. If your facility employs or will be employing processes in any of the industrial categories listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check (X) beside the category (check all that apply) and enter the applicable subpart(s) that apply.

   A facility with processes inclusive in the below table may be covered by Environmental Protection Agency's (EPA) categorical pretreatment standards. These facilities are termed "Categorical Industrial Users".

X	INDUSTRIAL CATEGORIES	Code of Federal Regulations Reference No.	Subpart That Applies To Applicant's Facility
	Aluminum Forming 467	467	
	Asbestos Manufacturing	427	
	Battery Manufacturing	461	
	Canned and Preserved Fruits and Vegetables Processing	407	
	Canned and Preserved Seafood Processing	408	
	Carbon Black Manufacturing	458	
	Cement Manufacturing	411	
	Centralized Waste Treatment	437	
	Coal Mining	434	
	Coil Coating	465	
	Concentrated Aquatic Animal Production	451	
	Construction and Development	450	
	Copper Forming	468	
	Dairy Products Processing	405	
	Electrical and Electronic Components Manufacturing	469	
	Electroplating	413	
	Explosives Manufacturing	457	
	Feedlots	412	

	Ferroalloy Manufacturing	424	
	Fertilizer Manufacturing	418	
	Glass Manufacturing	426	
	Grain Mills	406	
	Gum and Wood Chemicals Manufacturing	454	
	Hospital	460	
	Ink Formulating	447	
	Inorganic Chemicals Manufacturing	415	
	Iron and Steel Manufacturing	420	

1. **CONTINUED**. If your facility employs or will be employing processes in any of the industrial categories listed below (regardless of whether they generate wastewater, waste sludge, or hazardous waste), place a check (X) beside the category (check all that apply) and enter the applicable subpart(s) that apply.

A facility with processes inclusive in the below table may be covered by Environmental Protection Agency's (EPA) categorical pretreatment standards. These facilities are termed "Categorical Industrial Users".

X	INDUSTRIAL CATEGORIES	Code of Federal Regulations Reference No.	Subpart That Applies To Applicant's Facility
	Landfills	445	
	Leather Tanning and Finishing	425	
	Meat Products	432	
	Metal Finishing	433	
	Metal Molding and Casting	464	
	Metal Products and Machinery	438	
	Mineral Mining and Processing	436	
	Nonferrous Metals Forming Metal Powders	471	
	Nonferrous Metals Manufacturing	421	
	Oil and Gas Extraction	435	

	Ore Mining and Dressing	440	
	Organic Chemicals Plastic and Synthetic Fibers	414	
	Paint Formulating	446	
	Paving and Roofing Materials	443	
	Pesticides Chemicals	455	
	Petroleum Refining	419	
	Pharmaceutical Manufacturing	439	
	Phosphate Manufacturing	422	
	Photographic	459	
	Plastics Molding and Forming	463	
	Porcelain Enameling	466	
	Pulp, Paper, and Paperboard	430	
	Rubber Manufacturing	428	
	Soap and Detergent Manufacturing	417	
	Steam Electric Power Generating	423	
	Sugar Processing	409	
	Textile Mills	410	
	Timber Products Processing	429	
	Transportation Equipment Cleaning	442	
	Waste Combustor	444	

SECTION E. FACILITY OPERATIONS

1. Provide a brief description of each of the operations that generate the wastewater at this facility including primary products or services (includes principal raw materials, catalysts, and intermediates used in the process).

The MTL Groundwater Treatment System discussed in this permit application entails the extraction and treatment of groundwater impacted by chlorinated volatile organic compounds (CVOCs), such as PCE and its degradation products. The proposed system will remove groundwater from 2-4 recovery wells. The extracted groundwater will then be pumped through an underground piping system to a groundwater treatment system, treated to meet the requirements set forth in the Industrial Pretreatment Permit prior to being discharged to a lift station at the southeast corner of US Highway 25 and Grange Road. The lift station, maintained by the Georgia Ports Authority, is currently permitted to discharge sewage to the City of Port Wentworth Publicly Owned Treatment Works (POTW). The attached Figure 1 illustrates the remediation system layout and Figure 2 is a diagram of the proposed remediaton system.

The volume of water being extracted and subsequently treated may vary, though the initial estimate for average flow rate is 10 GPM. The system is designed for a maximum of 10 GPM. Current plans are for the system to operate continously or intermittently 7 days per week.

2. **For Categorical Industrial User Only.** Is the applicable Subpart based on production?

☐ Yes ☐ No ☒ NA

2.a. If yes, complete the following table.

Product (Brand Name)	**Past Calendar Year Amounts Per Day (Daily Units)**		**Estimate this Calendar Year Amounts Per Day (Daily Units)**		**Future Projections for the Next Five Years Amounts Per Day (Daily Units)**	
	Average	Maximum	Average	Maximum	Average	Maximum

SECTION F. WASTEWATER DISCHARGE FLOW & TREATMENT INFORMATION

1. **For all applicants,** List the daily average and daily maximum wastewater flows for each of the applicable waste streams in the table. At a minimum, use at least the last consecutive 12 months of monitoring data. New facilities must estimate the future flow.

Type	Daily Average (gpd)	Daily Maximum (gpd)
Contact cooling water		
Non-contact cooling water		
Boiler blow down		
Process wastewater		
Sanitary wastewater		
Air pollution control wastewater		
Plant & equipment wash down wastewater		
Other (specify): Groundwater Remediation System	14,400	14,400
Other (specify):		
Other (specify):		

2. **For Batch Discharges Only.** Provide the following information. If your discharge is continuous please continue to question no. 3 below.

2.a. Is the wastewater discharged as a batch discharge (new facilities must estimate)? ☐ Yes ☒ No

2.b. Number of batch discharges per day: _____	2.d. Time(s) of batch discharges: _____

2.c. Average gallons per batch: _____	2.e. Days of week of batch discharges: _____
2.f. Total daily flow discharged: _____ gallons/day	

3. **<u>For Categorical Industrial Users Only</u>.** Provide the wastewater discharge flows for each of your categorical processes. Include the reference number from the schematic flow diagram that corresponds to each process. New facilities should provide estimates for each discharge. If your discharge is not categorical please continue to question no. 4 below.

Categorically Regulated Process	Average Flow (gpd)	Maximum Flow (gpd)	Type of Discharge (batch/continuous)
Non-Categorically Regulated Process	**Average Flow (gpd)**	**Maximum Flow (gpd)**	**Type of Discharge (batch/continuous)**

4. If the wastewater treatment or equipment listed below is used or will be used at your facility, check the applicable box with an "X" and provide a brief description.

X	Treatment Devices or Processes	Description
	Air flotation	
	Centrifuge	
	Chemical precipitation	
	Chlorination	
	Cyclone	
	Filtration	
	Flow equalization	
	Oil & grease separation	
	Grease trap	
	Grinding filter	
	Grit removal	
	Neutralization, pH correction	
	Ozonation	
	Reverse osmosis	
	Screen	
	Sedimentation	
	Septic tank	
	Solvent separation	
	Spill protection	
	Sump	
	Biological treatment	
	Rainwater diversion or storage	
	Other chemical treatment	
	Other chemical treatment	
	Other physical treatment	
	Other (specify):	

5. Describe any changes in wastewater treatment or disposal methods planned or under construction for the wastewater discharge to the POTW or sanitary sewer. Please include estimated completion dates.

A groundwater remedation system is planned to be installed in September 2018 to meet the requirements of this permit for wastewater dishcarge.

SECTION G. RECEIVING POTW INFORMATION			
Name of POTW Receiving Wastewater: City of Port Wentworth Wastewater Treatment Facility			
POTW Permit No.: GAS000210			
POTW City Manager Name: James Stewart			
City Contact E-mail Address: jstewart@cityofportwentworth.com		Phone: (912)-966-7427	
Mailing Address: 305 South Coastal Highway			
City: Port Wentworth	County: Chatham	State: GA	Zip: 31407

1. Check the applicable box with an "X" beside the types of wastewater treatment operations at the receiving POTW below.

X	Primary Treatment	X	Secondary Treatment	X	Tertiary Treatment
	Aerated Pond		Aerated Pond		Aerated Pond
	Anaerobic Pond		Anaerobic Pond		Anaerobic Pond
	Activated Sludge	X	Activated Sludge		Activated Sludge
	Trickling Filter		Trickling Filter		Trickling Filter
	Rotating Biological Contactor (RBC)		Rotating Biological Contactor (RBC)		Rotating Biological Contactor (RBC)
	Storage Pond		Storage Pond		Storage Pond
	Dissolved Air Floatation		Dissolved Air Floatation		Dissolved Air Floatation
X	Other: Primary Screening		Other:	X	Other: Cloth Media Filter
	Other:		Other:		Other:

SECTION H. FACILITY OPERATIONAL CHARACTERISTICS		
1. Is the discharge (check the appropriate box): ☐ Seasonal or ☒ Continuous?		
1.a. If seasonal, describe: _____		
2. Does the facility shut down for vacation, maintenance, or other reasons? ☒ Yes ☐ No		
2.a. If yes, describe: System may be shut down for maintenance such as cleaning or testing of certain treatment system components. During maintenance, the groundwater pumping system will not be allowed to pump untreated groundwater into the permitted outfall.		
3. **For Categorical Industrial Users subject to total toxic organic (TTO) requirements**. Please answer question 3 below[1].		
3.a. Does (or will) this facility use any of the toxic organics listed under the TTO standard of the applicable Federal categorical pretreatment standards published by EPA? ☐ Yes ☐ No		
3.b. Has a Baseline Monitoring Report been submitted to EPD which contains TTO information? ☐ Yes ☐ No		
3.c. Has a Toxic Organics Management Plan (TOMP) been developed and retained on site? ☐ Yes ☐ No		
4. Please check the appropriate boxes below regarding current and future metering and equipment:		
4.a. Existing[2]:	Flow Metering installed? ☐ Yes ☒ No	Sampling Equipment installed? ☐ Yes ☒ No
4.b. Planned[2]:	Flow Metering Planned? ☒ Yes ☐ No	Sampling Equipment Planned? ☒ Yes ☐ No
5. Are any process changes or expansions planned during the next three years that could potentially alter wastewater volumes or characteristics? Consider production processes as well as air or water pollution treatment processes that may affect the discharge. ☒ Yes ☐ No		
5.a. If yes, briefly describe these changes and their potential effects on the wastewater volume and characteristics. Future plans may include the addition of up to approximately 10,000 gpd of treated groundwater from Stage 2 wells to facilitate the needs of the remediation program. As this application is regarding a groundwater treatment system, it is also practical to assume that remediation of the affected groundwater would be completed in the future, effectively ending the need for the remediation system. Thus the system would be removed and the permit discontinued.		

[1] Only facilities that are subject to the requirements in 40 CFR Parts 413, 433, 464, 465, 467, 468, and 469 have requirements for TTO.

[2] Please indicate the location of the equipment on the schematic flow diagram attached to application.

SECTION I. SPILL PREVENTION

1. Do you have chemical storage containers, bins, or ponds to capture spills at your facility?
   ☐ Yes ☒ No

1.a. If yes, please provide a description of their location, contents, size, type, frequency and the method of cleaning and maintaining. Also, indicate in a diagram or comment on the proximity of these containers to a sewer or storm drain. If applicable, indicate if buried metal containers have cathodic protection.

_____

2. Do you have floor drains in your manufacturing or chemical storage area(s)? ☐ Yes ☒ No

2.a. If yes, where do they discharge to? _____

3. If you have chemical storage containers, bins, or ponds in your manufacturing area, could an accidental spill cause a discharge to the areas listed below? Check the applicable box with an "X".

	An on-site disposal system
	Public sanitary sewer system (e.g. through a floor drain)
	Storm drain
	To ground
	Other, specify:
	Not applicable, no possible discharge to any of the above routes.

4. Do you have an accidental spill prevention plan (ASPP) to prevent spills of chemicals or slug discharges from entering the POTW sanitary sewer? ☐ Yes ☐ No ☒ N/A

SECTION J. NON-DISCHARGED WASTES

1. Is any liquid waste or sludge generated and not disposed of in the sanitary sewer system?
   ☐ Yes ☒ No

   If yes, please complete the table below and attach additional sheets if necessary. If no, proceed to Section L.

Waste Generated	Quantity (per year)	Disposal Method	Treatment Facility On-site/Off-site

2. If any of the wastes identified in question No. 1 above are sent to an off-site centralized waste treatment facility, identify the facility's name and location below.	
Facility Name:	
Address:	
Phone No.:	County:
3. If an outside company (e.g. third party hauler) removes any of the waste, described in No. 1 above, state the name(s) and address(s) of all waste haulers:	
3.a. Company Name:	
Address:	
Phone No.:	County:
3.b. Company Name:	
Address:	
Phone No.:	County:

SECTION K. CHARACTERISTICS OF DISCHARGE

1. Please indicate whether the effluent discharge analysis was based on one of the following.

☒ Projection ☐ Actual wastewater ☐ Wastewater from similar type discharge

2. **All applicants** must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Biochemical Oxygen Demand$_{5\text{-day}}$ (BOD_5)	<5	<5	estimated	NA
Chemical Oxygen Demand (COD)	<10	<10	estimated	NA
Oil and Grease, Total	<5	<5	estimated	NA
Total Suspended Solids (TSS)	<150	<150	estimated	NA
Ammonia (as Nitrogen)	<30	<30	estimated	NA
Phosphorus, Total	<5	<5	estimated	NA
Total Kjeldahl Nitrogen (TKN)	<20	<20	estimated	NA
pH (s.u.) (Minimum/Maximum)	6.0	7.0	estimated	NA

All applicants must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

3.a. **All Applicants.** If you believe a pollutant listed below may be present in your effluent discharge, place an "X" in the Believed Present box and provide the corresponding analytical data.

3.b. **For Categorical Industrial Users Only.** Check the box "Believed Present" and analyze the discharge for the corresponding type of pollutants for your specific industrial category. Refer to Section G in the application instructions for specific industrial category.

Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Toxic Metals, Cyanides, & Phenols					
Antimony, Total					
Arsenic, Total					
Beryllium, Total					
Copper, Total					
Cadmium, Total					
Chromium, Total					
Cyanide, Total					
Cyanide, Amenable					
Chromium, Hexavalent					
Lead, Total					
Mercury, Total					
Nickel, Total					
Phenols, Total					
Thallium, Total					
Selenium, Total					
Silver, Total					
Zinc, Total					
Volatiles					
Acrolein					
Acrylonitrile					
Benzene					
Bromoform					

All applicants must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

3.a. **All Applicants.** If you believe a pollutant listed below may be present in your effluent discharge, place an "X" in the Believed Present box and provide the corresponding analytical data.

3.b. **For Categorical Industrial Users Only.** Check the box "Believed Present" and analyze the discharge for the corresponding type of pollutants for your specific industrial category. Refer to Section G in the application instructions for specific industrial category.

Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Carbon Tetrachloride					
Chlorobenezene					
Chlorodibromomethane					
Chloroethane					
2-Chloroethylvinyl Ether					
Chloroform					
Dichlorobromomethane					
1, 1-Dichloroethane					
1, 2-Dichloroethane					
1, 1-Dichloroethylene	X	<0.001	<0.001	estimated	NA
1, 2-Dichloropropane					
1, 3-Dichloroproplyene					
Ethylbenzene					
Methylbromide					
Methylchloride					
Methylene Chloride					
1,1,2,2- Tetrachloroethane					
Tetrachloroethylene	X	<0.001	<0.001	estimated	NA
Toluene					
1,2-Trans-Dichloroethylene	X	0.003	0.003	estimated	NA
1,1,1-Trichloroethane					
1,1,2-Trichloroethane					
Trichloroethylene	X	<0.001	<0.001	estimated	NA
Vinyl Chloride	X	<0.001	<0.001	estimated	NA

All applicants must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

3.a. **All Applicants.** If you believe a pollutant listed below may be present in your effluent discharge, place an "X" in the Believed Present box and provide the corresponding analytical data.

3.b. **For Categorical Industrial Users Only.** Check the box "Believed Present" and analyze the discharge for the corresponding type of pollutants for your specific industrial category. Refer to Section G in the application instructions for specific industrial category.

Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Acid Compounds					
2-Chlorophenol					
2,4-Dichlorophenol					
2,4-Dimethylphenol					
4,6-Dinitro-O-Cresol					
2,4-Dinitrophenol					
2-Nitrophenol					
4-Nitrophenol					
P-Chloro-M-Cresol					
Pentachlorophenol					
Phenol					
2,4,6-Trichlorophenol					
Base/Neutral Compounds					
Acenaphthene					
Acenaphthylene					
Anthracene					
Benzidine					
Benzo(a)anthracene					
Benzo(a)pyrene					
3,4-Benzo-fluoranthene					
Benzo(ghi)perylene					
Benzo(k)fluoranthene					
Bis(2-Chloroethoxy) Methane					

All applicants must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

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Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Bis(2-Chloroethly) Ether					
Bis(2-Chloroisopropyl) Ether					
Bis(2-Ethylhexyl) Phthalate					
4-Bromophenylphenyl Ether					
Butylbenzyl Phthalate					
2-Chloronaphthalene					
4-Chlorophenylphenyl Ether					
Chrysene					
Dibenzo(a,H) anthracene					
1,2-Dichlorobenzene					
1,3-Dichlorobenezene					
1,4-Dichlorobenezene					
3,3-Dichlorobenzidine					
Diethy phthalate					
Dimethly phthalate					
Di-n-butyl phthalate					
2,4-Dinitrotoluene					
2,6-Dinitrotoluene					
Di-n-octyl phthalate					
1,2-Diphenylhydrazine (as Azobenzene)					
Fluoranthene					
Fluorene					

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Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Hexachlorobenzene					
Hexachlorobutadiene					
Hexachlorocyclopentadiene					
Hexachloroethane					
Indeno(1,2,3-cd) Pyrene					
Isophorone					
Naphthalene					
Nitrobenzene					
N-nitroso dimethylamine					
N-Nitrosodi-n-Propylamine					
N-Nitrosodiphenylamine					
Phenanthrene					
Pyrene					
1,24-Trichlorobenzene					
Pesticides					
Aldrin					
Alpha-BHC					
Beta-BHC					
Gamma-BHC					
Delta-BHC					
Chlordane					
4,4-DDT					
4,4-DDE					
4,4-DDD					

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Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Dieldrin					
Alpha-Endosulfan					
Beta-Endosulfan					
Endosulfan Sulfade					
Endrin					
Endrin Aldehyde					
Heptachlor					
Heptachlor Epoxide					
PCB-1242					
PCB-1254					
PCB-1221					
PCB-1232					
PCB-1248					
PCB-1260					
PCB-1016					
Toxaphene					
Other Substances					
Bromide					
Color					
Fecal Coliform					
Fluoride					
Nitrogen, Total Organic					
Radioactivity					
Alpha, Total					

All applicants must provide analytical wastewater effluent data in the following table. Data must be representative of the effluent waste stream and analyzed using a sufficiently sensitive test method in accordance with 40 CFR Part 136. The table below is not an all-encompassing list. It is the responsibility of the applicant to ensure the effluent discharge has been adequately characterized and the applicable information is reported to EPD.

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Please include the required data in the table below and DO NOT attach the laboratory reports

Pollutant	Place "X" if Believed Present	Average Sample Result (mg/L)	Maximum Sample Result (mg/L)	Number of Analyses	EPA Test Method
Beta, Total					
Radium, Total					
Radium, 226 Total					
Sulfate					
Sulfide					
Sulfite					
Surfactants					
Aluminum, Total					
Barium, Total					
Boron, Total					
Cobalt, Total					
Iron, Total					
Magnesium, Total					
Molybdenum, Total					
Manganese, Total					
Tin, Total					

SECTION L. - AUTHORIZED SIGNATURES

Authorized Representative Statement

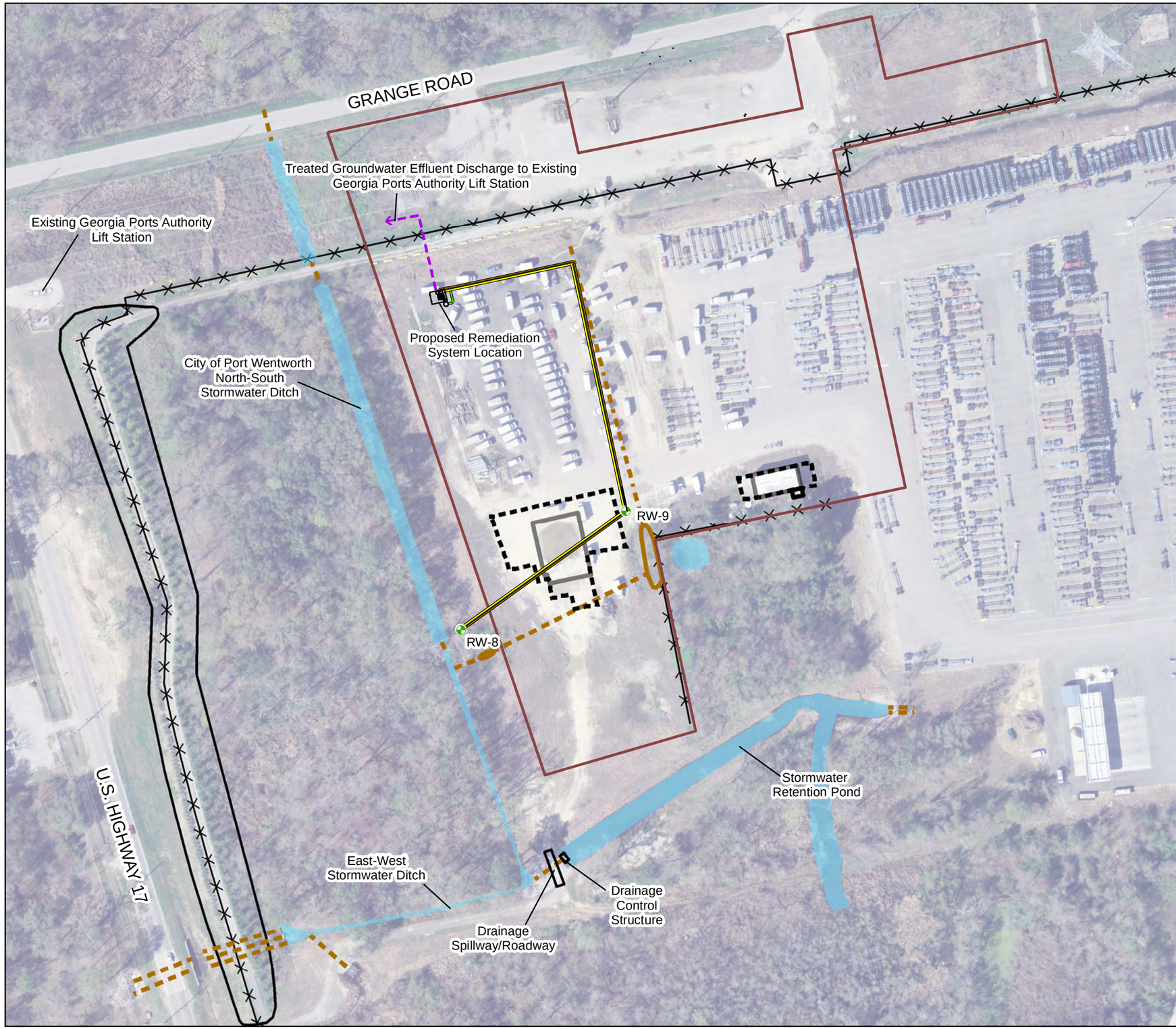
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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.

Print Name: Joshua Shelton	Title: Vice President
Phone No.: (850)-350-2224	E-Mail Address: jshelton@mckenzietank.com
Signature:	Date: 5/25/2018

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

PRETREATMENT PERMIT APPLICATION

FIGURES



Legend

- RECOVERY WELLS
- BERM OUTLINE
- SECURITY FENCE
- BELOW GRADE STORM WATER DRAINAGE PIPES
- BUILDINGS
- CONCRETE APRONS
- ELECTRICAL/COMM CONDUIT (1-INCH)
- GROUNDWATER INFLUENT LINE (4-INCH)
- STORM WATER SWALES
- WATER FEATURES
- FORMER MCKENZIE PROPERTY BOUNDARY
- FORMER WATER FEATURE
- (ABD) ABANDONED
- GROUNDWATER EFFLUENT LINE (4-INCH)
- TREATED GROUNDWATER EFLLUENT LINE (4-INCH)

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.

NOT FOR CONSTRUCTION PURPOSES

N

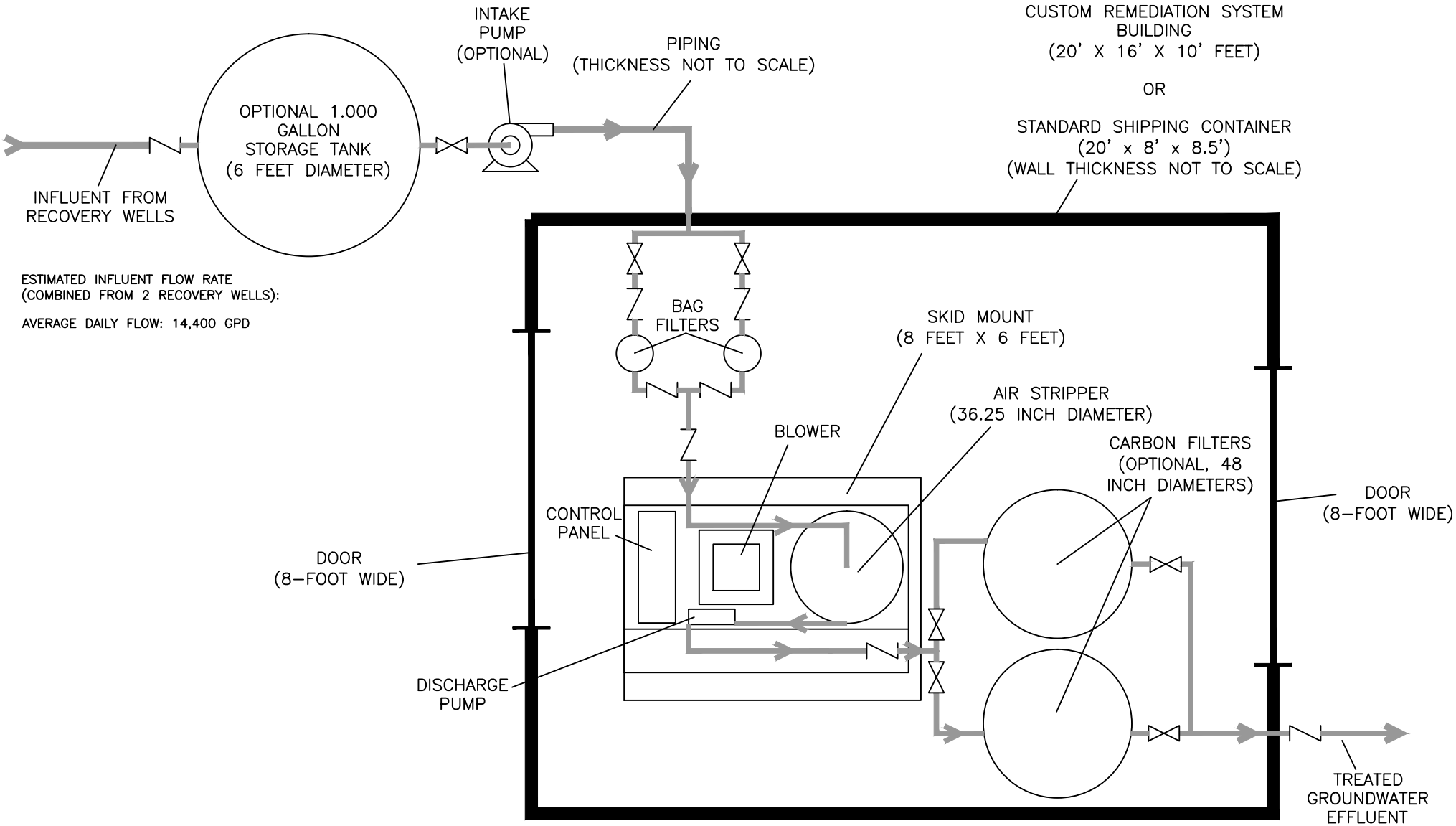
150 75 0 150 Feet

DESIGNED BY: A.G.	REVISIONS		DATE: 5/25/2018
	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 1: SITE LAYOUT MAP

MCKENZIE TANK LINES
111 GRANGE ROAD
PORT WENTWORTH, GEORGIA 31047

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



NOT TO SCALE – FOR REVIEW ONLY– NOT FOR CONTRUCTION

NOTES:
DIAGRAM IS CONCEPTUAL AND INCLUDES POTENTIAL COMPONENTS OF TREATMENT SYSTEM. COMPONENT SIZING AND FLOW RATES ARE ESTIMATED. COMPONENTS AND SIZING ARE SUBJECT TO CHANGE.

FIGURE 2:
SCHEMATIC FLOW DIAGRAM OF GROUNDWATER TREATMENT SYSTEM

DESIGNED BY:	DRAWN BY: S.P.H	REVISIONS NO.	DATE
CHECKED BY: A.C.	APPROVED BY: R.M.		
SEAL:			

SCALE: SEE SCALE

DATE: 05/25/2018

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

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

PRETREATMENT PERMIT APPLICATION

ATTACHMENT A
CITY OF PORT WENTWORTH SEWER USE ORDINANCE

ARTICLE III. - SEWERS AND SEWAGE DISPOSAL

DIVISION 1. - GENERALLY

Sec. 21-53. - Definitions.

(a) *Abbreviations.* The following abbreviations, when used in this article, shall have the designated meanings:

BOD	- Biochemical oxygen demand
CFR	- Code of Federal Regulations
COD	- Chemical oxygen demand
EPA	- U. S. Environmental Protection Agency
FOG	- Fats, oil, and grease
GPD	- Gallons per day
mg/L	- Milligrams per liter
NH_3-N	- Ammonia-nitrogen
NPDES	- National Pollutant Discharge Elimination System
POTW	- Publicly-owned treatment works
RCRA	- Resource Conservation and Recovery Act
SIC	- Standard Industrial Classification
TSS	- Total suspended solids
TTO	- Total toxic organics
U.S.C.	- United States Code

(b) *Definitions.* Unless the context specifically indicates otherwise, the meaning of terms used in this article shall be as follows:

Act or *the Act* means the Federal Water Pollution Control Act, Public Law 92-500, as now or hereafter amended, also known as the Clean Water Act, 33 U.S.C. 1251 et seq.

Administrator means the water and sewer director of this city or his duly appointed deputy, agent or representative.

Approval authority means the State of Georgia, Department of Natural Resources, Environmental Protection Division (EPD).

Authorized representative of the user means:

(1) A responsible corporate officer, if the industrial user is a corporation. For the purpose of this definition, a responsible corporate officer means:

a. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any

other person who performs similar policy-making or decision-making functions for the corporation; or

b. The manager of one (1) or more manufacturing, production, or operation facilities employing more than two hundred fifty (250) persons or having gross annual sales or expenditures exceeding twenty-five million dollars ($25,000,000.00) (in second-quarter 1980 dollars), if authority has been assigned or delegated to the manager in accordance with corporate procedures.

(2) By a general partner or proprietor if the industrial user is a partnership or sole proprietorship respectively.

(3) By a duly authorized representative of the individual in paragraph (1) or (2) of this definition if:

a. The authorization is made in writing by the individual described in paragraph (1) or (2);

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility from which the industrial wastewater originates, such as the position of plant manager, or a position of equivalent responsibility, or having overall responsibility for environmental matters for the company; and

c. The written authorization is submitted to the control authority.

(4) If an authorization under paragraph (3) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of paragraph (3) of this section must be submitted to the control authority prior to or together with any reports to be signed by an authorized representative.

Biochemical oxygen demand means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures in five (5) days at twenty (20) degrees Celsius expressed in terms of weight (pounds per day) and/or concentration (milligrams per liter).

Chemical oxygen demand means the measure of the oxygen equivalent of the organic matter content of a sample that is susceptible to oxidation by a strong oxidant under standard laboratory procedures.

City means the area within the city limits, or any other area within jurisdiction of the City of Port Wentworth as specified by statute, ordinance or other valid authority.

Control manhole means a sanitary sewer access, located to allow for the proper sampling, monitoring, and observation of an industrial wastewater discharge.

Conventional pollutant means BOD, TSS, pH, fecal coliform bacteria, oil and grease and such additional pollutants as are now or may be in the future specified and controlled in this city's NPDES permit for its wastewater systems where said systems have been designed and used to reduce or remove such pollutants.

Domestic wastes means liquid wastes:

(1) From the noncommercial preparation, cooking, and handling of food; or

(2) Containing human excrement and similar matter from the sanitary conveniences of dwellings, commercial buildings, industrial facilities, and institutions.

Environmental protection agency means the U.S. Environmental Protection Agency or, where appropriate, the regional water management division director, or other duly authorized official of said agency.

Grab sample means a sample which is taken from a waste stream, without regard to the flow in the waste stream, and over a period of time not to exceed fifteen (15) minutes.

Industrial user means any person who discharges, causes or permits the discharge of industrial wastewater(s) into the city's wastewater system either directly or indirectly through a wastewater system of others.

Industrial wastewater means the liquid wastes resulting from the processes employed in industrial, manufacturing, trade or business establishments, as distinct from domestic wastes.

Interference means a discharge which alone or in conjunction with a discharge or discharges from other sources, both:

(1) Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and

(2) Therefore is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent state or local regulations): Section 405 of the Clean

Water Act, the Solid Waste Disposal Act (SWDA) (including title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including state regulations contained in any state sludge management plan prepared pursuant to subtitle D of the SWDA), the Clean Water Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

Maximum daily limit means the maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of any grab or composite (as appropriate) sample collected, independent of the flow rate and the duration of the sampling event.

Monthly average limit means the arithmetic average of all samples collected during a month at a specific sample point that are tested using methods listed in 40 CFR 136 or other EPA approved methods.

National Categorical Pretreatment Standard or *pretreatment standard* means any regulation containing pollutant discharge limits promulgated by the EPA in accordance with Section 307 (b) and (c) of the Act (33 U.S.C. 1317) which applies to a specific category of industrial users.

National Pollutant Discharge Elimination System (NPDES) means the program for issuing, conditioning and denying permits for the discharge of pollutants from point sources into the navigable waters, the contiguous zone and the oceans pursuant to Section 402 of the Act.

National Prohibitive Discharge Standard or *prohibitive discharge standard* means any regulation developed under the authority of Section 307 (b) of the Act and 40 CFR 403.5.

Natural outlet means any outlet into any watercourse, canal, pond, ditch, lake, or other body of surface or groundwater.

New source means:

(1) Any building, structure, facility or installation from which there is or may be a discharge of pollutants, the construction of which commenced after the publication of proposed pretreatment standards under Section 307(c) of the Act which will be applicable to such source if such standards are thereafter promulgated in accordance with that section, provided that:
   a. The building structure, facility or installation is constructed at a site at which no other source is located; or
   b. The building, structure, facility or installation totally replaces the process or production equipment that causes the discharge of pollutants at an existing source; or
   c. The production or wastewater generating processes of the building, structure, facility or installation are substantially independent of an existing source at the same site. In determining whether these are substantially independent, factors such as the extent to which the new facility is integrated with the existing plant, and the extent to which the new facility is engaged in the same general type of activity as the existing source should be considered.
   d. Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility or installation meeting the criteria of paragraphs (1)b. or (1)c. of this definition but otherwise alters, replaces, or adds to existing process or production equipment.

(2) Construction of a new source as defined under this paragraph has commenced if the owner or operator has:
   a. Begun, or caused to begin as part of a continuous onsite construction program:
      1. Any placement, assembly, or installation of facilities or equipment; or
      2. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or
   b. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase or contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.

Pass through means a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

Person or *persons* means any individual, firm, company, partnership corporation, association, group, or society, and includes the State of Georgia, and agencies, districts, commissions and political subdivisions created by or pursuant to state or federal law.

pH means the logarithm of the reciprocal of the concentration of hydrogen ions in grams per liter of solution, expressed in a scale of zero (0) to fourteen (14) (seven (7) being neutral, less than seven (7) acidic, greater than seven (7) alkaline).

POTW treatment plant means that portion of the POTW which is designed to provide treatment (including recycling and reclamation) of municipal sewage and industrial waste.

Pollutant means dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, medical wastes, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, municipal, agricultural and industrial wastes, and certain characteristics of wastewater (e.g., pH, temperature, TSS, turbidity, color, BOD, COD, toxicity, or odor).

Pretreatment means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into a POTW. The reduction or alteration may be obtained by physical, chemical or biological processes, process changes or by other means, except as prohibited by Section 403.6(d) [of the Act]. Appropriate pretreatment technology includes control equipment, such as equalization tanks or facilities, for protection against surges or slug loadings that might interfere with or otherwise be incompatible with the POTW. However, where wastewater from a regulated process is mixed in an equalization facility with unregulated wastewater or with wastewater from another regulated process, the effluent from the equalization facility must meet an adjusted pretreatment limit calculated in accordance with Section 403.6(e) [of the Act].

Pretreatment requirements means any substantive or procedural requirement related to pretreatment, other than a national pretreatment standard imposed on an industrial user.

Publicly-owned treatment works or *POTW* means a treatment facility which is contracted to others, or owned by a municipality as defined by section 502(4) of the Clean Water Act. This definition includes any devices and systems used for storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes all sewers, pipes and other conveyances that transfer wastewater to a POTW. The term also means the municipality as defined in section 502(4) of the Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. For the purposes of this section, the terms "sanitary sewer system" and "POTW" may be used interchangeably.

Sanitary sewage means the solid and liquid wastes generated in the typical day-to-day domestic household.

Sanitary sewer means a pipe which carries sewage and excludes storm, surface, and ground water.

Septage means waste discharged from an individual septic tank system (private sewage disposal system) approved by the City of Savannah and the Chatham County Health Department.

Sewage means any liquid waste containing animal or vegetable matter in suspension or solution, and may include liquids containing chemicals in solution.

Sewers means a pipe or conduit for carrying sewage.

Shall is mandatory; *may* is permissive.

Significant industrial user :

(1) Except as provided in paragraph (2) of this definition, the term "significant industrial users" means:
   a. All industrial users subject to National Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR chapter I, subchapter N; and
   b. Any other industrial user that discharges an average of twenty-five thousand (25,000) GPD or more of wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up five (5) per cent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the control authority on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or pretreatment requirement (in accordance with 40 CFR 403.8(f)(6)).

(2) Upon a finding that an industrial user meeting the criteria in paragraph (1)b. of this definition has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or pretreatment requirement, the control authority may at any time, on its own initiative or in response to a petition received from an industrial user or POTW, and in accordance with 40 CFR 403.8(f)(6), determine that such industrial user is not a significant industrial user.

Significant noncompliance means an industrial user's violation(s) meets one (1) or more of the following:

(1) Chronic violations of wastewater discharge limits, defined here as those in which sixty-six (66) per cent or more of all of the

measurements taken during a six-month period exceed (by any magnitude) the daily maximum limit or the average limit for the same pollutant parameter;

(2) Technical review criteria (TRC) violations, defined here as those in which thirty-three (33) per cent or more of all of the measurements for each pollutant parameter taken during a six-month period equal or exceed the product of the daily maximum limit or the average limit multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, and FOG; 1.2 for all other pollutants except pH);

(3) Any other violation of a pretreatment effluent limit (daily maximum or longer term average) that the city determines has caused, alone or in combination with other discharges, interference or pass through (including endangering the health of POTW personnel or the general public);

(4) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare, or to the environment or has resulted in the city's exercise of its authority under Section 2(III) of this Ordinance [sic] to halt or prevent such a discharge;

(5) Failure to meet within ninety (90) days after the schedule date, a compliance schedule milestone contained in written notification for starting construction, completing construction or attaining final compliance;

(6) Failure to provide, within thirty (30) days after the due date, any required reports;

(7) Failure to accurately report noncompliance;

(8) Any other violation or group of violations which the city determines will adversely affect the operation or implementation of the industrial pretreatment program.

Total suspended solids means the total suspended matter that floats on the surface of, or is suspended in, water, wastewater, or other liquids, and which is removable by laboratory filtering.

User classification means a classification of users based on the 1972 (or subsequent) edition of the Standard Industrial Classification (SIC) Manual prepared by the office of management and budget.

Wastewater means the liquid and water-carried industrial or domestic wastes from dwellings, commercial buildings, industrial facilities; and institutions, together with any groundwater, surface water, and stormwater that may be present, whether treated or untreated, which is discharged into or permitted to enter the city's treatment works.

Wastewater discharge permit means a permit to discharge wastewater issued in compliance with the city's own NPDES permits as authorized under 40 CFR 403.

Wastewater system means any devices, facilities, structures, equipment or works owned or used by the city for the purpose of the transmission, storage, treatment, recycling, and reclamation of industrial and domestic wastes, or necessary to recycle or reuse water at the most economical cost over the estimated life of the system including intercepting sewers, outfall sewers, sewage collection systems, pumping, power, and other equipment, and their appurtenances; extensions, improvements, remodeling, additions and alternations thereof; elements essential to provide a reliable recycled supply such as standby treatment units and clear well facilities; and any works, including site acquisition of the land that will be an integral part of the treatment process or is used for ultimate disposal of residues resulting from such treatment.

(Ord. No. 74-2, Art. I, §§ 1—23, 4-25-74; Ord. No. 05-03, 4-14-05; Ord. No. 09-09, 6-25-09)

Sec. 21-54. - Unsanitary deposits prohibited.

It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the city or in any area under the jurisdiction of the city any human or animal excrement, garbage, or other objectionable waste.

(Ord. No. 74-2, Art. II, § 1, 4-25-74)

Sec. 21-55. - Discharges into natural outlets.

It shall be unlawful to discharge to any natural outlet within the city or in any area under the jurisdiction of the city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with the provisions of this article.

(Ord. No. 74-2, Art. II, § 2, 4-25-74)

Sec. 21-56. - Privy vaults, septic tanks, etc., generally.

Except as otherwise provided, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool, or other facility intended or used for the disposal of sewage.

(Ord. No. 74-2, Art. II, § 3, 4-25-74)

Sec. 21-57. - Connections to city system required.

The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the city and abutting on any street, alley, or right-of-way in which there is now located or may in the future be located a public sanitary or combined sewer of the city, is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this article, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet of the property line.

(Ord. No. 74-2, Art. II, § 4, 4-25-74)

Sec. 21-58. - Measurements and tests.

(a) All measurements, tests, and analyses of the characteristics of water and wastes to which reference is made in this article shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater," published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected.

(b) Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. (The particular analyses involved will determine whether a twenty-four-hour composite of all outfalls of a premise is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four-hour-composites of all outfalls whereas pH's are determined from periodic grab samples.)

(Ord. No. 74-2, Art. V, § 9, 4-25-74)

Sec. 21-59. - Damaging sewer system.

No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance, or equipment which is a part of the sewage works.

(Ord. No. 74-2, Art. VI, § 1, 4-25-74)

State Law reference— Damaging, injuring, or interfering with the property of municipality that provides utility services, O.C.G.A. § 16-7-25.

Sec. 21-60. - Inspectors generally.

(a) The superintendent and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this article.

(b) While performing the necessary work on private properties referred to herein the superintendent or duly authorized employees of the city shall observe all safety rules applicable to the premises established by the company.

(Ord. No. 74-2, Art. VII, §§ 1, 2, 4-25-74)

Sec. 21-61. - Violations.

(a) Any person who shall be found guilty of violating this article shall be punished as provided in section 32 of the City Charter.

(b) Any person violating any of the provisions of this article shall become liable to the city for any expense, loss, or damage occasioned the city by reason of such violation.

(Ord. No. 74-2, Art. VIII, §§ 1, 2, 4-25-74)

Sec. 21-62. - Sewerage rates.

	Base Rate	Consumption Rate
Residential (Cap at 10 Units)	$12.14	$3.22
Mobile Home/Apartment	$12.14 Per Mobile Home/Apt	$3.22
Restaurants	$74.55	$3.36
Hotels/Motels	$3.93 Per Room	
Warehousing	$91.79	$3.36
Other Commercial	$29.98	$3.36
Small Business (1 Employee)	$29.98	$3.36
Commercial Sewer—Georgia Pacific	$38.30	$4.84
Residential—Out of City	$19.28	$4.16
Mobile Home/Apartment—Out of City	$19.28 Per Mobile Home/Apt	$4.16
Hotels/Motels—Out of City	$6.58 Per Room	$4.84
Warehouses—Out of City	$84.24	$4.84
Other Commercial—Out of City	$38.30	$4.84

There will be a two and one-half (2.5) percent increase in sewer rates on the first billing cycle of each fiscal year—July 1. Effective July 1, 2013.

(Ord. No. 02-10, 11-14-02; Ord. No. 03-13, 8-28-03; Ord. No. 05-05, 3-24-05; Ord. No. 06-13, 6-8-06; Ord. No. 07-30, 9-27-07; Ord. No. 08-19, 10-23-08; Ord. No. 08-22, 11-20-08; Ord. No. 12-16, 6-21-12)

Editor's note— Ordinance No. 02-10, adopted Nov. 14, 2002, repealed § 21-62, in its entirety and enacted new provisions to read as herein set out. Prior to amendment, § 21-43 pertained to similar subject matter and derived from Ord. No. 79-1, § 2, adopted June 28, 1979; Ord. No. 85-2, adopted Aug. 8, 1985; Ord. No. 88-6, adopted June 9, 1988; Ord. No. 91-6, adopted July 11, 1991; Ord. No. 92-8, adopted June 11, 1992; Ord. No. 94-8, adopted Sept. 8, 1994; Ord. No. 95-04, adopted Mar. 23, 1995; Ord. No. 97-1, adopted Jan. 9, 1997; Ord. No. 97-9, adopted Jul. 16, 1997; Ord. No. 00-02, adopted Mar. 9, 2000; Ord. No. 00-07, adopted July 13, 2000; and Ord. No. 01-07, adopted Oct. 25, 2001.

Sec. 21-63. - Sewage inspections.

Each sewer connection shall require two (2) inspections—Locate and open trench. The cost of the inspections shall be twenty-five dollars ($25.00). There shall also be an inspection of the Omni marker for a cost of twelve dollars and fifty cents ($12.50).

(Ord. No. 09-16, 9-24-09)

Editor's note— Ord. No. 09-16, adopted September 24, 2009, repealed the former § 21-63, and enacted a new § 21-63 as set out herein. The former § 21-63 pertained to sewage tap-in fees. See Code Comparative Table for complete derivation.

Secs. 21-64—21-66. - Reserved.

DIVISION 2. - PRIVATE SEWAGE DISPOSAL

Sec. 21-67. - Generally.

Private sewage wastewater treatment plants are prohibited within the city limits of Port Wentworth. Where a public sanitary sewer is not available, a temporary septic tank may be used until a connection is made to the city's sewer system. No more than one (1) septic tank and tile field will be allowed per dwelling, industry or commercial establishment and shall not exceed one thousand (1,000) gallons per day.

(Ord. No. 74-2, Art. VIII, § 1, 4-25-74; Ord. No. 87-10, 6-25-87)

Sec. 21-68. - Permit.

(a) Before commencement of construction of a private disposal system (septic tank), the owner shall first obtain a written permit signed by the Chatham County Health Department and the city. The application for the city permit shall be made on a form furnished by the city, which the applicant shall supplement by any plans, specifications and other information as are deemed necessary by the city. A permit and inspection fee of ten dollars ($10.00) shall be paid to the city at the time the application is filed.

(b) A permit for a private disposal system (septic tank) shall not become effective until the installation is completed to the satisfaction of the city. The city shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the city when the work is ready for final inspection and before any underground portions are covered. The inspection shall be made within seventy-two (72) hours of the receipt of notice by the city.

(Ord. No. 74-2, Art. III, §§ 2, 3, 4-25-74; Ord. No. 87-10, 6-25-87)

Sec. 21-69. - Capacity and discharges.

The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the department of public health of the state. No permit shall be issued for any private sewage disposal system employing subsurface soil absorption facilities where the area of the lot is less than twenty thousand (20,000) square feet. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

(Ord. No. 74-2; Art. III, § 4, 4-25-74)

Sec. 21-70. - Operation and maintenance.

The owner shall operate an maintain the private sewage disposal facilities in a sanitary manner at all times, at not expense to the city.

(Ord. No. 74-2; Art. III, § 6, 4-25-74)

Sec. 21-71. - Actions when public sewer becomes available.

(a) At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in section 21-69, a direct connection shall be made to the public sewer in compliance with this article, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

(b) When a public sewer becomes available, the building sewer shall be connected to said sewer within sixty (60) days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt.

(Ord. No. 74-2; Art. III, §§ 5, 8, 4-25-74)

Sec. 21-72. - Additional requirements authorized.

No statements contained in this division shall be construed to interfere with any additional requirements that may be imposed by the state and county health officers.

(Ord. No. 74-2; Art. III, § 7, 4-25-74)

Secs. 21-73—21-77. - Reserved.

DIVISION 3. - BUILDING SEWERS AND CONNECTIONS

Sec. 21-78. - Permit required.

No unauthorized person shall uncover, make any connections with or opening into, use, alter, or disturb any public sewer or appurtenance thereof without first obtaining a written permit from the superintendent.

(Ord. No. 74-2; Art. IV, § 1, 4-25-74)

Sec. 21-79. - Classes of permit, application and fees.

There shall be two (2) classes of building sewer permits:

(a) For residential and commercial service; and

(b) For service to establishments producing industrial wastes;

In either case, the owner or his agent shall make application on a special form furnished by the city. The permit application shall be supplemented by any plans, specifications or other information considered pertinent in the judgment of the superintendent. A permit and inspection fee of one hundred dollars ($100.00) for a residential or commercial building sewer permit and negotiated feet based upon use for an industrial user producing industrial wastes shall be paid to the city at the time the application is filed.

(Ord. No. 74-2; Art. IV, § 2, 4-25-74)

Sec. 21-80. - Costs and liability for loss or damage.

All costs and expense incident to the installation and connection of the building sewer shall be borne by the owner. The owner shall indemnify the city from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

(Ord. No. 74-2, Art. IV, § 3, 4-25-74)

Sec. 21-81. - Separate building sewer required.

A separate and independent building sewer shall be provided for every building, except where one (1) building stands at the rear of another on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, the building sewer from the front building may be extended to the rear building and the whole considered as one (1) building sewer.

(Ord. No. 74-2, Art. IV, § 4, 4-25-74)

Sec. 21-82. - Use of old building sewers.

Old building sewers may be used in connection with new building only when they are found, on examination and test by the superintendent to meet all requirements of this article.

(Ord. No. 74-2, Art. IV, § 5, 4-25-74)

Sec. 21-83. - Size, slope, alignment, etc.

The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing the pipe, jointing, testing, and backfilling the trench, shall all conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the A.S.T.M. and W.P.C.F. Manual of Practice No. 9 shall apply.

(Ord. No. 74-2, Art. IV, § 6, 4-25-74)

Sec. 21-84. - Elevation and lifts.

Whenever possible, the building sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted by an approved means and discharged to the building sewer.

(Ord. No. 74-2, Art. IV, § 7, 4-25-74)

Sec. 21-85. - Connections of roof downspouts, etc., prohibited.

No person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.

(Ord. No. 74-2, Art. IV, § 8, 4-25-74)

Sec. 21-86. - Connection of building sewer to public sewer.

The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable rules and regulations of the city, or in amplification thereof the procedures set forth in appropriate specifications of the A.S.T.M. and the W.P.C.F. Manual of Practice No. 9. All such connections shall be made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the superintendent before installation.

(Ord. No. 74-2, Art. IV, § 9, 4-25-74)

Sec. 21-87. - Inspections and supervision of connections.

The applicant for the building sewer permit shall notify the superintendent when the building sewer is ready for inspection and connection to the public sewer. The connection shall be made under the supervision of the superintendent or his representative.

(Ord. No. 74-2, Art. IV, § 10, 4-25-74)

Sec. 21-88. - Excavations.

All excavations for building sewer installations shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the city.

(Ord. No. 74-2, Art. IV, § 11, 4-25-74)

Sec. 21-89. - Cross-connection control policy adopted.

In order to protect the public water supply of the city from contamination, the "City of Port Wentworth Cross-Connection Control Policy Manual" is hereby adopted by reference, a copy of which policy manual is on file in the city offices for inspection by the public.

(Ord. No. 89-21, 10-26-89)

Editor's note— Ordinance No. 89-21, adopted Oct. 26, 1989, enacted the provisions set out above and directed that they be included as an amendment to Ch. 21, Art. III, Div. 3. At the editor's discretion, therefore, said provisions have been set out as a new § 21-89.

Secs. 21-90—21-94. - Reserved.

DIVISION 4. - PROHIBITED DISCHARGES

Sec. 21-95. - Stormwater, surface water, etc.

(a) No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer.

(b) Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the superintendent. Industrial cooling water or unpolluted process waters may be discharged, on approval of the superintendent, to a storm sewer, combined sewer, or natural outlet.

(Ord. No. 74-2, Art. V, §§ 1, 2, 4-25-74)

State Law reference— Prohibition of dumping wastes into a public storm or sanitary sewer pipeline, O.C.G.A. § 12-8-2.

Sec. 21-96. - Items specifically prohibited.

No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

(a) Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas.

(b) Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant, including but not limited to cyanides in excess of two (2) mg/l as CN in the wastes as discharged into the public sewer.

(c) Any waters or wastes having a pH lower than five and one-half (5.5), or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.

(d) Solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interferences with the proper operation of the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails, and paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders.

(Ord. No. 74-2, Art. V, § 3, 4-25-74)

Sec. 21-97. - Items conditionally prohibited.

No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the superintendent that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the superintendent will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:

(a) Any liquid or vapor having a temperature higher than one hundred fifty (150) degrees Fahrenheit or sixty-five (65) degrees Celsius.

(b) Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and one hundred fifty (150) degrees Fahrenheit (zero (0) and sixty-five (65) degrees Celsius).

(c) Any garbage that has not been properly shredded. The installation and operation of any garbage grinder equipped with a motor of three-fourths horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the superintendent.

(d) Any waters or wastes containing strong acid, iron pickling wastes, or concentrated plating solutions whether neutralized or not.

(e) Any waters or wastes containing iron, chromium, copper, zinc, and similar objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the superintendent for such materials.

(f) Any waters or wastes containing phenols or other taste-or odor-producing substances, in such concentrations exceeding limits which may be established by the superintendent as necessary, after treatment of the composite sewage, to meet the requirements of the state, federal, or other public agencies of jurisdiction for such discharge to the receiving waters.

(g) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the superintendent in compliance with applicable state or federal regulations.

(h) Any waters or wastes having a pH in excess of nine and one-half (9.5).

(i) Materials which exert or cause:

(1) Unusual concentration of inert suspended solids (such as, but not limited to, Fullers earth, lime, slurries, and lime residues) or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).

(2) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).

(3) Unusual BOD, chemical oxygen, demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.

(4) Unusual volume of flow or concentration of wastes constituting "slugs."

(j) Water or wastes having a five-day biochemical oxygen demand in excess of one thousand (1,000) parts per million by weight on a twenty-four-hour composite basis, or for any sample period having a five-day BOD in excess of five (5) times the average

influent value for the affected sewage treatment plant during the previous calendar year.

(k) Water or wastes having a suspended solids content in excess of five hundred (500) parts per million by weight on a twenty-four-hour composite basis or having a suspended solids content for any sample period greater than two and five-tenths (2.5) times the average influent value for the affected sewage treatment plant during the previous calendar year.

(l) Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

(Ord. No. 74-2, Art. V, § 4, 4-25-74)

Sec. 21-98. - Actions superintendent may take with reference to conditionally prohibited items.

If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in section 21-97 of this Code, and which in the judgment of the superintendent, may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters, or which otherwise create a hazard to life or constitute a public nuisance, the superintendent may:

(a) Reject the wastes;

(b) Require pretreatment to an acceptable condition for discharge to the public sewers;

(c) Require control over the quantities and rates of discharge; and/or

(d) Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of section 21-102 of this Code.

If the superintendent permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the superintendent and subject to the requirements of all applicable codes, ordinances and laws.

(Ord. No. 74-2, Art. V, § 5, 4-25-74)

Sec. 21-99. - Interceptors.

Grease, oil and sand interceptors shall be provided when, in the opinion of the superintendent, they are necessary for the proper handling of liquid wastes containing grease in excessive amount, or any flammable wastes, sand, or other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the superintendent, and shall be located as to be readily and easily accessible for cleaning and inspection.

(Ord. No. 74-2, Art. V, § 6, 4-25-74)

Sec. 21-100. - Maintenance and operation of pretreatment facilities.

Where preliminary treatment or flow-equalizing facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense.

(Ord. No. 74-2, Art. V, § 7, 4-25-74)

Sec. 21-101. - Control manhole.

When required by the superintendent, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located and shall be constructed in accordance with plans approved by the superintendent. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times.

(Ord. No. 74-2, Art. V, § 8, 4-25-74)

Sec. 21-102. - Special agreements.

No statement contained in this division shall be construed as preventing any special agreement or arrangement between the city and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the city for treatment, subject to payment therefore, by the industrial concern.

(Ord. No. 74-2, Art. V, § 10, 4-25-74)

DIVISION 5. - INDUSTRIAL PRETREATMENT

Sec. 21-103. - General provisions.

(a) *Purpose.* Establish additional rules and regulations for the direct or indirect discharge of nondomestic wastewaters into the wastewater systems of the City of Port Wentworth.

(b) *Enumerated.* The purposes of this section are to:

(1) Implement the National Pretreatment Standards;

(2) Prevent the introduction of pollutants into the wastewater system which will pass through or interfere with the treatment processes of city's wastewater treatment plants or which may contaminate sewage sludge;

(3) Prevent the introduction of pollutants into the wastewater treatment system which will not be compatible with the treatment process and cause city's treatment plant facility(ties) violation under its National Pollutant Discharge Elimination System (NPDES) permit and the applicable rules of all governmental authorities with the jurisdiction over such discharges;

(4) Protect health and safety of the personnel and the general public;

(5) Authorize the issuance of wastewater discharge permits; provide for monitoring, compliance, and enforcement activities; establish administrative review procedures; and require industrial user reporting.

(Ord. No. 05-03, 4-14-05)

Sec. 21-104. - Limitations on wastewater discharges.

(a) *Local limits.* The following pollutant limits are established to protect against pass through and interference at each of the city facilities. No user shall discharge wastewater in excess of the concentrations set forth below unless alternative limits are granted in a valid permit to discharge industrial wastewater.

Wastewater Constituent	Maximum Daily Limit
BOD5	300 mg/l
COD	1,200 mg/l
FOG	100 mg/l
TSS	300 mg/l
Total Nitrogen	60 mg/l
NH3-N	40 mg/l
Phosphorous	10 mg/l
Salinity	450 mg/l
Sodium	70 mg/l
Chloride	70 mg/l

Boron	40 mg/l
Aluminum	5 mg/l
Arsenic	0.1 mg/l
Beryllium	0.1 mg/l
Cadmium	0.01 mg/l
Chromium	0.1 mg/l
Cobalt	0.05 mg/l
Copper	0.2 mg/l
Cyanide	0.1 mg/l
Fluoride	1 mg/l
Iron	5 mg/l
Lithium	2.5 mg/l
Lead	5 mg/l
Manganese	0.2 mg/l
Mercury	0.1 mg/l
Molybdenum	0.01 mg/l
Nickel	0.2 mg/l
Selenium	0.2 mg/l
Silver	0.2 mg/l
Vanadium	0.1 mg/l
Zinc	0.3 mg/l

In addition, the administrator may limit the discharge of other specific substances not listed above on a case-by-case basis, if the discharge of that substance is shown to interfere with the operation or performance of the receiving POTW or would violate any receiving stream water quality standards upon discharge. All concentrations for metallic substances are for "total" metals. The administrator may impose mass limitations in addition to, or in place of, the concentration-based limitations above.

(b) *Right of revision.* The city reserves the right to establish, by ordinance or in wastewater discharge permits, more stringent standards or requirements on discharges to the wastewater system.

(c) *Dilution.* No user shall ever increase the use of process water, or in any way attempt to dilute a discharge, as a partial or complete

substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable pretreatment standard or pretreatment requirement. The administrator may impose mass limitations on users who are using dilution to meet applicable pretreatment standards or pretreatment requirements or in other cases when the imposition of mass limitations is appropriate.

(d) *Installation of control manhole.* When required by the administrator, the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole, together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall be constructed in accordance with the plans approved by the city engineer, the manhole shall be installed by the owner at his expense and shall be maintained by him so as to be safe and accessible at all times.

(e) *State pretreatment standards.* State pretreatment standards located in the Rules of Georgia Department of Natural Resources, Environmental Protection Division, Chapters 391-3-6, are hereby incorporated.

(f) *National categorical standards.* Nothing in this section shall be construed as preventing the city from imposing on industries national categorical standards, as they are promulgated. The National Categorical Pretreatment Standards found at 40 CFR Chapter I, Subchapter N, Parts 405—471, are hereby incorporated.

(g) *Equivalent concentration or mass limits.* Where a categorical pretreatment standard is expressed only in terms of either the mass or the concentration of a pollutant in wastewater, the administrator may impose equivalent concentration or mass limits in accordance with 40 CFR 403.6(c).

(h) *Alternate limits.* When wastewater subject to a categorical pretreatment standard is mixed with wastewater not regulated by the same standard, the administrator shall impose an alternate limit using the combined waste stream formula in 40 CFR 403.6(e).

(i) *Variances.* An industrial user may obtain a variance from a categorical pretreatment standard if the industrial user can prove, pursuant to the procedural and substantive provisions in 40 CFR 403.13, that factors relating to its discharge are fundamentally different from the factors considered by EPA when developing the categorical pretreatment standard.

(j) *Net gross adjustments.* An industrial user may obtain a net gross adjustment to a categorical standard in accordance with 40 CFR 403.15.

(Ord. No. 05-03, 4-14-05)

Sec. 21-105. - Control of industrial wastewater discharges.

(a) *Submission of plans.* Where pretreatment or equalization of wastewater flows prior to discharge into any part of the wastewater system is required, plans, specifications, schedules for completion and compliance, and any other pertinent data or information relating to such pretreatment or flow-control facilities shall first be submitted to the administrator for review. The review of these documents does not relieve and/or exempt the industry, designer(s) and contractor(s) nor their representative from their individual or collective responsibility to comply with the applicable provisions of the local, state and/or federal regulations. Any subsequent alterations, or additions to such pretreatment or flow control facilities shall not be made without due notice to and prior review by the administrator.

(b) *Pretreatment facilities operations.* If pretreatment or control of waste flows is required, such facilities shall be maintained in good working order and operated as efficiently as possible by the owner or operator at his own cost and expense, subject to the requirements of these rules and regulations and all other applicable codes, ordinances, and laws.

(c) *Protection from accidental discharge/slug control; accidental discharge/slug control plan.* Each industrial user shall provide protection from accidental discharge of prohibited materials or other wastes regulated by this article. Facilities to prevent accidental discharge of prohibited materials shall be provided and maintained at the owner or operator's own cost and expense. Detailed plans showing facilities and operating procedures to provide this protection shall be submitted to the administrator, for review, and shall be approved by him before construction of the facility. Review and approval of such plans and operating procedures shall not relieve the industrial user from the responsibility to modify his facility as necessary to meet the requirements of this article. The accidental discharge/slug control plan shall be updated at a minimum of every two (2) years. The accidental discharge/slug control plan shall address, at a minimum, the following:

(1) Description of discharge practices, including non-routine batch discharges;

(2) Description of stored chemicals;

(3) Procedures for immediately notifying the administrator of any accidental or slug discharge, as required by subsection 21-107(f) of this article; and

(4) Procedures to prevent adverse impact from any accidental or slug discharge. Such procedures include, but are not limited to, inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of

plant site runoff, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants, including solvents, and/or measures and equipment for emergency response.

(d) *Hauled wastewater.*

(1) *Septage.* Septic tank waste may be introduced into the wastewater system only at locations designated by the administrator and at such times as are established by the administrator. Such waste shall not violate federal law or any other requirements established by the city. Federal regulations prohibit the following materials from being discharged:

a. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, wastestreams with a closed cup flashpoint of less than one hundred forty (140) degrees Fahrenheit or sixty (60) degrees centigrade using the test methods specified in 40 CFR 261.21.

b. Pollutants which will cause corrosive structural damage to the wastewater system, but in no case discharges with pH lower than five and one-half (5.5), unless the works in [question are] specifically designed to accommodate such discharges.

c. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the wastewater system resulting in interference.

d. Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the wastewater system.

e. Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds forty (40) degrees Celsius (one hundred four (104) degrees Fahrenheit) unless the approval authority, upon request of the POTW, approves alternate temperature limits.

f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through.

g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the wastewater system in a quantity that may cause acute worker health and safety problems.

h. Any trucked or hauled pollutants, except at discharge points designated by the administrator.

The administrator may require septic tank waste haulers to obtain wastewater discharge permits.

(2) *Hauled industrial wastewater.*

a. The administrator shall require haulers of industrial waste to obtain wastewater discharge permits.

b. Generators of hauled industrial waste may be required to obtain wastewater discharge permits.

c. Hauled wastewater shall be discharged only at the designated locations.

d. The industrial waste hauler may be required to provide a wastewater analysis of any load prior to discharge.

e. Industrial waste haulers shall provide a waste-tracking form for every load. This form shall include, at a minimum, the name and address of the industrial waste hauler, permit number, truck identification, names and addresses of sources of waste, and volume and characteristics of waste. The form shall identify the type of industry, known or suspected waste constituents, and whether any wastes are RCRA hazardous wastes.

(Ord. No. 05-03, 4-14-05)

Sec. 21-106. - Industrial wastewater discharge monitoring.

(a) *Wastewater discharge permit application.*

(1) *Wastewater analysis.* When requested by the administrator, an industrial user must submit information on the nature and characteristics of its wastewater within thirty (30) days of the request. The administrator is authorized to prepare a form for this purpose and may periodically require industrial users to update this information.

(2) *Wastewater discharge permit requirement.*

a. No significant industrial user shall discharge wastewater into the wastewater system without first obtaining a wastewater discharge permit from the administrator, except that a significant industrial user that has filed a timely application pursuant to subsection 21-106(a)(3) of this article may continue to discharge for the time period specified therein.

b. The administrator may require other industrial users to obtain wastewater discharge permits as necessary to carry out the purposes of this article.

c. Any violation of the terms and conditions of a wastewater discharge permit shall be deemed a violation of this article and subjects the wastewater discharge permittee to the sanctions set out in Section 2(IX), (X), and (XI) [sic] of this article. Obtaining a wastewater discharge permit does not relieve a permittee of its obligation to comply with all federal and state

pretreatment standards or pretreatment requirements or with any other requirements of federal, state, and local law.

(3) *Wastewater discharge permitting; existing connections.* Any user required to obtain a wastewater discharge permit who was discharging wastewater into the POTW prior to the effective date of this article and who wishes to continue such discharges in the future, shall, within thirty (30) days after said date, apply to the administrator for a wastewater discharge permit in accordance with subsection 21-106(a)(5) of this article, and shall not cause or allow discharges to the POTW to continue after sixty (60) days of the effective date of this article except in accordance with a wastewater discharge permit issued by the administrator.

Those industrial users holding a valid wastewater discharge permit shall, within sixty (60) days after said date, apply to the administrator for a wastewater discharge permit in accordance with subsection 21-106(a)(5) of this article, and shall not cause or allow discharges to the POTW to continue after one hundred eighty (180) days of the effective date of this article.

(4) *Wastewater discharge permitting; new connections.* Any user required to obtain a wastewater discharge permit who proposes to begin or recommence discharging into the POTW must obtain such permit prior to the beginning or recommencing of such discharge. An application for this wastewater discharge permit, in accordance with subsection 21-106(a)(2) of this article, must be filed at least ninety (90) days prior to the date upon which any discharge will begin or recommence.

(5) *Wastewater discharge permit application contents.* All users required to obtain a wastewater discharge permit must submit a permit application. The administrator may require all users to submit as part of an application the following information:

a. All information required by subsection 21-107(a) of this article;

b. Description of activities, facilities, and plant processes on the premises, including a list of all raw materials and chemicals used or stored at the facility which are, or could accidentally or intentionally be, discharged to the POTW;

c. Number and type of employees, hours of operation, and proposed or actual hours of operation;

d. Each product produced by type, amount, process or processes, and rate of production;

e. Type and amount of raw materials processed (average and maximum per day);

f. Site plans, floor plans, mechanical and plumbing plans, and details to show all sewers, floor drains, and appurtenances by size, location, and elevation, and all points of discharge;

g. Time and duration of discharges; and

h. Any other information as may be deemed necessary by the administrator to evaluate the wastewater discharge permit application.

Incomplete or inaccurate applications will not be processed and will be returned to the industrial user for revision.

(6) *Application signatories and certification.* All wastewater discharge permit applications and industrial user reports must be signed by an authorized representative of the industrial user and contain the following certification statement:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, 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."

(7) *Wastewater discharge permit decisions.* The administrator will evaluate the data furnished by the industrial user and may require additional information. Within thirty (30) days of receipt of a complete wastewater discharge permit application, the administrator will determine whether or not to issue a wastewater discharge permit. The administrator may deny any application for a wastewater discharge permit.

(b) *Wastewater discharge permit issuance process.*

(1) A wastewater discharge permit shall include such conditions as are deemed reasonably necessary by the administrator to prevent pass-through or interference, protect the quality of the water body receiving the treatment plant's effluent, protect worker health and safety, facilitate sludge management and disposal, and protect against damage to the POTW.

a. A wastewater discharge permit shall be issued for a specified time period, not to exceed five (5) years from the effective date of the permit. A wastewater discharge permit may be issued for a period less than five (5) years, at the discretion of the administrator. Each wastewater discharge permit will indicate a specific date upon which it will expire. Each permit shall expire at 12:00 midnight on the date of expiration.

b. Effluent limits based on applicable pretreatment standards.

c. Self monitoring, sampling, reporting, notification, and record-keeping requirements. Including an identification of pollutants t sampling location, sampling frequency, and sample type based on federal, state, and local law; and

d. A statement of applicable civil and criminal penalties for violation of pretreatment standards and requirements, and any applicable compliance schedule. Such schedule may not extend the time for compliance beyond that required by applicable federal, state, or local law.

e. A statement of nontransferability without prior notification to the city in accordance with subsection 21-106(e) of this article.

(2) Wastewater discharge permits may contain, but need not be limited to, the following conditions:

a. Limits on the average and/or maximum rate of discharge, time of discharge, and/or requirements for flow regulation and equalization;

b. Requirements for the installation of pretreatment technology, pollution control, or construction of appropriate containment devices, designed to reduce, eliminate, or prevent the introduction of pollutants into the treatment works;

c. Requirements for the development and implementation of spill control plans or other special conditions including management practices necessary to adequately prevent accidental, unanticipated, or nonroutine discharges;

d. Development and implementation of waste minimization plans to reduce the amount of pollutants discharged to the POTW;

e. The unit charge or schedule of industrial user charges and fees for the management of the wastewater discharged to the POTW;

f. Requirements for installation and maintenance of inspection and sampling facilities and equipment;

g. A statement that compliance with the wastewater discharge permit does not relieve the permittee of responsibility for compliance with all applicable federal and state pretreatment standards, including those which become effective during the tem [sic]

h. Other conditions as deemed appropriate by the administrator to ensure compliance with this article, and state and federal laws, rules, and regulations.

(c) *Wastewater discharge permit appeals.* The administrator shall provide public notice of the issuance of a wastewater discharge permit. Any person, including the industrial user, may petition the administrator to reconsider the terms of a wastewater discharge permit within thirty (30) days of its issuance.

(1) Failure to submit a timely petition for review shall be deemed to be a waiver of the administrative appeal.

(2) In its petition, the appealing party must indicate the wastewater discharge permit provisions objected to, the reasons for this objection, and the alternative condition, if any, it seeks to place in the wastewater discharge permit.

(3) The effectiveness of the wastewater discharge permit shall not be stayed pending the appeal.

(4) If the administrator fails to act within thirty (30) days, a request for reconsideration shall be deemed to be denied. Decisions not to reconsider a wastewater discharge permit, not to issue a wastewater discharge permit, or not to modify a wastewater discharge permit shall be considered final administrative actions for purposes of judicial review.

(5) Aggrieved parties seeking judicial review of the final administrative wastewater discharge permit decision must do so by filing a complaint with the recorders court for Chatham County within thirty (30) days.

(d) *Wastewater discharge permit modification.* The administrator may modify a wastewater discharge permit for good cause, including, but not limited to, the following reasons:

(1) To incorporate any new or revised federal, state, or local pretreatment standards or pretreatment requirements;

(2) To address significant alterations or additions to the industrial user's operation, processes, or wastewater volume or character since the time of wastewater discharge permit issuance;

(3) A change in the POTW that requires either a temporary or permanent reduction or elimination of the authorized discharge;

(4) Information indicating that the permitted discharge poses a threat to the city's POTW, city personnel, or the receiving waters;

(5) Violation of any terms or conditions of the wastewater discharge permit;

(6) Misrepresentations or failure to fully disclose all relevant facts in the wastewater discharge permit application or in any required reporting;

(7) Revision of or a grant of variance from categorical pretreatment standards pursuant to 40 CFR 403.13;

(8) To correct typographical or other errors in the wastewater discharge permit; or;

(9) To reflect a transfer of the facility ownership or operation to a new owner or operator.

(e) *Wastewater discharge permit transfer.* Wastewater discharge permits may be transferred to a new owner or operator only if the permit least ninety (90) days advance notice to the administrator and the administrator approves the wastewater discharge permit transfer. Th the administrator must include a written certification by the new owner or operator which:

(1) States that the new owner and/or operator have no immediate intent to change the facility's operations and processes;

(2) Identifies the specific date on which the transfer is to occur; and

(3) Acknowledges full responsibility for complying with the existing wastewater discharge permit.

(4) Failure to provide advance notice of a transfer renders the wastewater discharge permit void as of the date of facility transfer.

(f) *Wastewater discharge permit revocation.* The administrator may revoke a wastewater discharge permit for good cause, including, but not limited to, the following reasons:

(1) Failure to notify the administrator of significant changes to the wastewater prior to the changed discharge;

(2) Failure to provide prior notification to the administrator of changed conditions pursuant to subsection 21-107(e) of this article;

(3) Misrepresentation or failure to fully disclose all relevant facts in the wastewater discharge permit application;

(4) Falsifying self-monitoring reports;

(5) Tampering with monitoring equipment;

(6) Refusing to allow the administrator timely access to the facility premises and records;

(7) Failure to meet effluent limitations;

(8) Failure to pay fines;

(9) Failure to pay sewer charges;

(10) Failure to meet compliance schedules;

(11) Failure to complete a wastewater survey or the wastewater discharge permit application;

(12) Failure to provide advance notice of the transfer of business ownership of a permitted facility; or

(13) Violation of any pretreatment standard or pretreatment requirement, or any terms of the wastewater discharge permit or this article.

Wastewater discharge permits shall be voidable upon cessation of operations or transfer of business ownership. All wastewater discharge permits issued to a particular industrial user are void upon the issuance of a new wastewater discharge permit to that industrial user.

(g) *Wastewater discharge permit reissuance.* An industrial user with an expiring wastewater discharge permit shall apply for wastewater discharge permit reissuance by submitting a complete permit application, in accordance with subsection 21-106(a)(5) of this article, a minimum of ninety (90) days prior to the expiration of the industrial user's existing wastewater discharge permit.

(h) *Regulation of waste received from other jurisdictions.*

(1) If another municipality, or industrial user located within another municipality, contributes wastewater to the POTW, the administrator shall enter into an intermunicipal agreement with the contributing municipality.

(2) Prior to entering into an agreement required by paragraph (1), above, the administrator shall request the following information from the contributing municipality:

a. A description of the quality and volume of wastewater discharged to the POTW by the contributing municipality;

b. An inventory of all industrial users located within the contributing municipality that are discharging to the POTW; and

c. Such other information as the administrator may deem necessary.

(3) An intermunicipal agreement, as required by paragraph (1), above, shall contain the following conditions:

a. A requirement for the contributing municipality to adopt a sewer use ordinance which is at least as stringent as this article and local limits which are at least as stringent as those set out in Section 1(V) [sic] of this article. The requirement shall specify that such ordinance and limits must be revised as necessary to reflect changes made to the city's ordinance or local limits;

b. A requirement for the contributing municipality to submit to the administrator a revised industrial user inventory on at least an annual basis;

c. A provision specifying which pretreatment implementation activities, including wastewater discharge permit issuance, inspection and sampling, and enforcement, will be conducted by the administrator;

d. A requirement for the contributing municipality to provide the administrator with access to all information that the contributing municipality obtains as part of its pretreatment activities;

e. Limits on the nature, quality, and volume of the contributing municipality's wastewater at the point where it discharges to the
f. Requirements for monitoring the contributing municipality's discharge;
g. A provision ensuring the administrator access to the facilities of industrial users located within the contributing municipality's jurisdictional boundaries for the purpose of inspection, sampling, and any other duties deemed necessary by the administrator; and
h. A provision specifying remedies available for breach of the terms of the intermunicipal agreement.

(Ord. No. 05-03, 4-14-05)

Sec. 21-107. - Industrial wastewater discharge reports.

(a) *Baseline monitoring reports.*

(1) Within either one hundred eighty (180) days after the effective date of a categorical pretreatment standard, or the final administrative decision on a category determination under 40 CFR 403.6(a)(4), whichever is later, existing categorical industrial users currently discharging to or scheduled to discharge to the POTW shall submit to the administrator a report which contains the information listed in paragraph (2), below. At least ninety (90) days prior to commencement of their discharge, new sources, and sources that become categorical industrial users subsequent to the promulgation of an applicable categorical standard, shall submit to the administrator a report which contains the information listed in paragraph (2)a.—e., below. A new source shall report the method of pretreatment it intends to use to meet applicable categorical standards. A new source also shall give estimates of its anticipated flow and quantity of pollutants to be discharged.

(2) Industrial users described above shall submit the information set forth below.

a. *Identifying information.* The name and address of the facility, including the name of the operator and owner.
b. *Environmental permits.* A list of any environmental control permits held by or for the facility.
c. *Description of operations.* A brief description of the nature, average rate of production, and standard industrial classifications of the operation(s) carried out by such industrial user. This description should include a schematic process diagram which indicates points of discharge to the POTW from the regulated processes.
d. *Flow measurement.* Information showing the measured average daily and maximum daily flow, in GPD, to the POTW from regulated process streams and other streams, as necessary, to allow use of the combined wastestream formula set out in 40 CFR 403.6(e).
e. *Measurement of pollutants.*
1. The categorical pretreatment standards applicable to each regulated process.
2. The results of sampling and analysis identifying the nature and concentration, and/or mass, where required by the standard or by the administrator, of regulated pollutants in the discharge from each regulated process. Instantaneous, daily maximum, and long-term average concentrations, or mass, where required, shall be reported. The sample shall be representative of daily operations and shall be analyzed in accordance with procedures set out in subsection 21-107(j) of this article.
3. Sampling must be performed in accordance with procedures set out in subsection 21-107(k) of this article.
f. *Certification.* A statement, reviewed by the industrial user's authorized representative and certified by a qualified professional, indicating whether pretreatment standards are being met on a consistent basis, and, if not, whether additional operation and maintenance (O&M) and/or additional pretreatment is required to meet the pretreatment standards and requirements.
g. *Compliance schedule.* If additional pretreatment and/or O&M will be required to meet the pretreatment standards, the shortest schedule by which the industrial user will provide such additional pretreatment and/or O&M. The completion date in this schedule shall not be later than the compliance date established for the applicable pretreatment standard. A compliance schedule pursuant to this section must meet the requirements set out in subsection 21-107(b) of this article.
h. *Signature and certification.* All baseline monitoring reports must be signed and certified in accordance with subsection 21-106(a)(6) of this article.

(b) *Compliance schedule progress reports.* The following conditions shall apply to the compliance schedule required by subsection 21-107(a)(2)(g) of this article:

(1) The schedule shall contain progress increments in the form of dates for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the industrial user to meet the applicable pretreatment standards (such events include, but are not limited to, hiring an engineer, completing preliminary and final plans,

executing contracts for major components, commencing and completing construction, and beginning and conducting routine operation);

(2) No increment referred to above shall exceed nine (9) months;

(3) The industrial user shall submit a progress report to the administrator no later than fourteen (14) days following each date in the schedule and the final date of compliance including, as a minimum, whether or not it complied with the increment of progress, the reason for any delay, and, if appropriate, the steps being taken by the industrial user to return to the established schedule; and

(4) In no event shall more than nine (9) months elapse between such progress reports to the administrator.

(c) *Categorical pretreatment standard deadline reports.* Within ninety (90) days following the date for final compliance with applicable categorical pretreatment standards, or in the case of a new source following commencement of the introduction of wastewater into the POTW, any industrial user subject to such pretreatment standards and requirements shall submit to the administrator a report containing the information described in subsection 21-107(a)(2)d.—f. of this article. For industrial users subject to equivalent mass or concentration limits established in accordance with the procedures in 40 CFR 403.6(c), this report shall contain a reasonable measure of the industrial user's long-term production rate. For all other industrial users subject to categorical pretreatment standards expressed in terms of allowable pollutant discharge per unit of production (or other measure of operation), this report shall include the industrial user's actual production during the appropriate sampling period. All compliance reports must be signed and certified in accordance with subsection 21-106(a)(6) of this article.

(d) *Periodic compliance reports.*

(1) All permitted industrial users shall, at a frequency determined by the administrator, but in no case less than twice per year (in June and December), submit a report indicating the nature and concentration of pollutants in the discharge which are controlled by the industrial users permit. In addition, this report shall include a record of measured or estimated average and maximum daily flows for the reporting period. All periodic compliance reports must be signed and certified in accordance with subsection 21-106(a)(6) of this article.

(2) All wastewater samples must be representative of the industrial user's discharge. Wastewater monitoring and flow measurement facilities shall be properly operated, kept clean, and maintained in good working order at all times. The failure of an industrial user to keep its monitoring facility in good working order shall not be grounds for the industrial user to claim that sample results are unrepresentative of its discharge.

(3) If an industrial user subject to the reporting requirement in this section monitors any pollutant more frequently than required by the administrator, using the procedures prescribed in subsection 21-107(k) of this article, the results of this monitoring shall be included in the report.

(e) *Reports of changed conditions.* Each industrial user must notify the administrator of any planned significant changes to the industrial user's operations or system which may alter the nature, quality, or volume of its wastewater at least ninety (90) days before the change.

(1) The administrator may require the industrial user to submit such information as may be deemed necessary to evaluate the changed condition, including the submission of a wastewater discharge permit application under subsection 21-106(a)(5) of this article.

(2) The administrator may issue a wastewater discharge permit under subsection 21-106(a)(4) of this article or modify an existing wastewater discharge permit under subsection 21-106(a)(3) of this article in response to changed conditions or anticipated changed conditions.

(3) For purposes of this requirement, significant changes include, but are not limited to, flow increase or decrease of twenty (20) per cent or greater, or the discharge of any previously unreported pollutants.

(f) *Reports of potential problems.*

(1) In the case of any discharge, including, but not limited to, accidental discharges, discharges of a nonroutine, episodic nature, a noncustomary batch discharge, or a slug load, that may cause potential problems for the POTW, the industrial user shall immediately telephone and notify the administrator of the incident. This notification shall include the location of the discharge, type of waste, concentration and volume, if known, and corrective actions taken by the industrial user.

(2) Within five (5) days following such discharge, the industrial user shall, unless waived by the administrator, submit a detailed written report describing the cause(s) of the discharge and the measures to be taken by the industrial user to prevent similar future occurrences. Such notification shall not relieve the industrial user of any expense, loss, damage, or other liability which

may be incurred as a result of damage to the POTW, natural resources, or any other damage to person or property; nor shall such notification relieve the industrial user of any fines, penalties, or other liability which may be imposed pursuant to this article.

(3) A notice shall be permanently posted on the industrial user's bulletin board or other prominent place advising employees whom to call in the event of a discharge described in paragraph (1), above. Employers shall ensure that all employees, who may cause such a discharge to occur, are advised of the emergency notification procedure.

(g) *Reports from unpermitted industrial users.* All industrial users not required to obtain a wastewater discharge permit shall provide appropriate reports to the administrator as the administrator may require.

(h) *Notice of violation/repeat sampling and reporting.* If sampling performed by an industrial user indicates a violation, the industrial user must notify the administrator within twenty-four (24) hours of becoming aware of the violation. The industrial user shall also repeat the sampling and analysis and submit the results of the repeat analysis to the administrator within thirty (30) days after becoming aware of the violation. The industrial user is not required to resample if the administrator monitors at the industrial user's facility at least once a month, or if the administrator samples between the industrial user's initial sampling and when the industrial user receives the results of this sampling.

(i) *Notification of the discharge of hazardous waste.*

(1) Any industrial user who commences the discharge of hazardous waste shall notify the POTW, the EPA regional waste management division director, and state hazardous waste authorities, in writing, of any discharge into the POTW of a substance which, if otherwise disposed of, would be a hazardous waste under 40 CFR 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the industrial user discharges more than one hundred (100) kilograms of such waste per calendar month to the POTW, the notification also shall contain the following information to the extent such information is known and readily available to the industrial user: an identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve (12) months. All notifications must take place no later than one hundred eighty (180) days after the discharge commences. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed conditions must be submitted under subsection 21-107(e) of this article. The notification requirement in this section does not apply to pollutants already reported by industrial users subject to categorical pretreatment standards under the self-monitoring requirements of subsections 21-107(a), (c), and (d) of this article.

(2) Dischargers are exempt from the requirements of paragraph (1), above, during a calendar month in which they discharge no more than fifteen (15) kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e). Discharges of more than fifteen (15) kilograms of nonacute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification. Subsequent months during which the industrial user discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under Section 3001 of RCRA identifying any additional characteristics of hazardous wastes or listing any additional substance as a hazardous waste, the industrial user must notify the administrator, the EPA regional waste management waste division director, and state hazardous waste authorities of the discharge of such substance within ninety (90) days of the effective date of such regulations.

(4) In the case of any notification made under this section, the industrial user shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.

(5) This provision does not create a right to discharge any substance not otherwise permitted to be discharged by this article, a permit issued thereunder, or any applicable federal or state law.

(j) *Analytical requirements.* All pollutant analyses, including sampling techniques, to be submitted as part of a wastewater discharge permit application or report shall be performed in accordance with the techniques prescribed in 40 CFR 136, unless otherwise specified in an applicable categorical pretreatment standard. If 40 CFR 136 does not contain sampling or analytical techniques for the pollutant in question, sampling and analyses must be performed in accordance with procedures approved by EPA.

(k) *Sample collection.*

(1) Except as indicated in paragraph (2), below, the industrial user must collect wastewater samples using flow proportional composite collection techniques. In the event flow proportional sampling is infeasible, the administrator may authorize the use of time proportional sampling or a minimum of four (4) grab samples where the industrial user demonstrates that this will

provide a representative sample of the effluent being discharged. In addition, grab samples may be required to show compliance with maximum daily limits.

(2) Samples for oil and grease, temperature, pH, cyanide, phenols, sulfides, and volatile organic compounds must be obtained using grab collection techniques. Actual sample type requirements shall be included in the wastewater discharge permit.

(l) *Timing.* Written reports will be deemed to have been submitted on the date postmarked. For reports which are not mailed, postage prepaid, into a mail facility serviced by the United States Postal Service, the date of receipt of the report shall govern.

(m) *Record keeping.* Industrial users subject to the reporting requirements of this article shall retain, and make available for inspection and copying, all records of information obtained pursuant to any monitoring activities required by this article and any additional records of information obtained pursuant to monitoring activities undertaken by the industrial user independent of such requirements. Records shall include the date, exact place, method, and time of sampling, and the name of the person(s) taking the samples; the dates analyses were performed; who performed the analyses; the analytical techniques or methods used; and the results of such analyses. These records shall remain available for a period of at least three (3) years. This period shall be automatically extended for the duration of any litigation concerning the industrial user or the city, or where the industrial user has been specifically notified of a longer retention period by the administrator.

(Ord. No. 05-03, 4-14-05)

Sec. 21-108. - Compliance monitoring.

(a) *Right of entry; inspection and sampling.* The administrator shall have the right to enter the premises of any industrial user to determine whether the industrial user is complying with all requirements of this article and any wastewater discharge permit or order issued hereunder. Industrial users shall allow the administrator ready access to all parts of the premises for the purposes of inspection, sampling, records examination and copying, and the performance of any additional duties.

(1) Where an industrial user has security measures in force which require proper identification and clearance before entry into its premises, the industrial user shall make necessary arrangements with its security guards so that, upon presentation of suitable identification, the administrator will be permitted to enter without delay for the purposes of performing specific responsibilities.

(2) The administrator shall have the right to set up on the industrial user's property, or require installation of, such devices as are necessary to conduct sampling and/or metering of the industrial user's operations.

(3) The administrator may require the industrial user to install monitoring equipment as necessary. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the industrial user at its own expense. All devices used to measure wastewater flow and quality shall be calibrated annually to ensure their accuracy.

(4) Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the industrial user at the written or verbal request of the administrator and shall not be replaced. The costs of clearing such access shall be borne by the industrial user.

(5) Unreasonable delays in allowing the administrator access to the industrial user's premises shall be a violation of this article.

(b) *Search warrants.* If the administrator has been refused access to a building, structure, or property, or any part thereof, and is able to demonstrate probable cause to believe that there may be a violation of this article, or that there is a need to inspect and/or sample as part of a routine inspection and sampling program of the city designed to verify compliance with this article or any permit or order issued hereunder, or to protect the overall public health, safety and welfare of the community, then the administrator may seek issuance of a search warrant from the recorders court of the city.

(Ord. No. 05-03, 4-14-05)

Sec. 21-109. - Penalties.

In addition to any civil remedies available to the city, each violation of this article shall be punishable by a fine of not more than one thousand dollars ($1,000.00) or imprisonment for not more than thirty (30) days. Each day the violation continues shall constitute a separate offense. Violations shall be prosecuted in the municipal court of the City of Port Wentworth.

(Ord. No. 05-03, 4-14-05)

Sec. 21-110. - Confidential information.

Information and data on an industrial user obtained from reports, surveys, wastewater discharge permit applications, wastewater discharge permits, and monitoring programs, and from the administrator's inspection and sampling activities, shall be available to the public without restriction, unless the industrial user specifically requests, and is able to demonstrate to the satisfaction of the administrator, that the release of such information would divulge information, processes, or methods of production entitled to protection as trade secrets under applicable state law. Any such request must be asserted at the time of submission of the information or data. When requested and demonstrated by the industrial user furnishing a report that such information should be held confidential, the portions of a report which might disclose trade secrets or secret processes shall not be made available for inspection by the public, but shall be made available immediately upon request to governmental agencies for uses related to the NPDES program or pretreatment program, and in enforcement proceedings involving the person furnishing the report. Wastewater constituents and characteristics and other "effluent data" as defined by 40 CFR 2.302 will not be recognized as confidential information and will be available to the public without restriction.

(Ord. No. 05-03, 4-14-05)

Sec. 21-111. - Publication of industrial users in significant noncompliance.

The administrator shall publish annually, in the largest daily newspaper published in the municipality where the POTW is located, a list of the industrial users which, during the previous twelve (12) months, were in significant noncompliance with applicable pretreatment standards and requirements.

(Ord. No. 05-03, 4-14-05)

DIVISION 6. - GREASE INTERCEPTOR TRAP POLICY

Sec. 21-112.1. - Purpose, policy, and administration.

(a) The purpose of this article is the regulation of the generation and disposal of grease interceptor waste for the protection of the City of Port Wentworth and its collection system.

(b) The objective of this article is to reduce the operational and maintenance cost of maintaining the system and to ensure compliance with the city's National Pollutant Discharge Elimination System (NPDES) permit by preventing the accumulation of grease within the sewer collection system.

(c) This article shall apply to food service facilities and others within the city limits and to persons outside the city who, by contract or agreement with the city are users of the city's system.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.2. - Definitions.

Fats shall mean substances that are primarily fatty acid esters of the alcohol glycerol, also called acylglycerols, neutral fats, or glycosides. They are the major components of depot or storage fats in POTW and animal cells, especially in the adipose (or fat) cells of vertebrates. This term may include any synthesized substance of a like nature.

Food service facility shall mean those establishments primarily engaged in activities of preparing, serving, or otherwise making food available for consumption by the public such as restaurant, commercial kitchen, caterer, hotel, school, hospital, prison, correctional facility, and care institution. These establishments use one (1) or more of the following preparation activities: cooking by frying (all methods), baking (all methods), grilling, sautéing, rotisserie cooking, broiling (all methods), boiling, blanching, roasting, toasting, or poaching. Also included are infrared heating, searing, barbecuing, and any other food preparation activity that produces a hot, non-drinkable food product in or on a receptacle that requires washing.

Grease shall mean fats, waxes, free fatty acids, calcium and magnesium soaps, mineral oils and certain other non-fatty material from animal or vegetable sources, or from hydrocarbons of petroleum origins, commonly found in wastewater from food preparations and food service. Grease may originate from, but not be limited to, discharges from scullery sinks, pot and pan sinks, dishwashing machines, soup kettles and floor drains located in areas where grease-containing materials may exist.

Grease interceptor shall mean a structure or device designed for the purpose of removing and preventing fats, oils, and grease from entering the sanitary sewer collection system. These devices are often belowground units in outside areas and are built as two (2) or three (3) chamber baffled tanks.

Grease trap shall mean a device for separating and retaining waterborne greases and grease complexes prior to the wastewater exiting the trap and entering the sanitary sewer collection and treatment system. Such traps are typically compact under-the-sink units that are near food preparation areas.

Inspector shall mean the City of Port Wentworth Inspector, under the instruction and supervision of the director of public services who is assigned to investigate compliance and detect violations of this division and shall also mean City of Port Wentworth Building Inspector, who under the supervision of the city council, is assigned to inspect construction projects within the city limits to ensure compliance with the building ordinances and other relevant building ordinances.

Minimum design capability shall mean the design features of a grease interceptor and its ability or volume required to effectively intercept and retain greases from grease-laden wastewaters discharged to the public sanitary sewer.

POTW or *publicly owned treatment works* means a treatment facility which is contracted to others, or owned by a municipality as defined by section 502(4) of the Clean Water Act. This definition includes any devices and systems used for storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes all sewers, pipes and other conveyances that transfer wastewater to a POTW. The term also means the municipality as defined in section 502(4) of the Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. For the purposes of this division, the terms "sanitary sewer system" and "POTW" may be used interchangeably.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.3. - Applicability and prohibitions.

(a) This division shall apply to all non-domestic users of the publicly owned treatment works (POTW), as defined in this division.

(b) Grease traps or grease interceptors shall not be required for residential users.

(c) Facilities generating fats, oils, or greases as a result of food manufacturing, processing, preparation, or food service shall install, use, and maintain appropriate grease traps or grease interceptors as defined in this division. These facilities include but are not limited to restaurants, food manufacturers, food processors, hospitals, hotels and motels, prisons, nursing homes, and any other facility preparing, serving, or otherwise making any foodstuff available for consumption.

(d) No user may intentionally or unintentionally allow the direct or indirect discharge of any petroleum oil, non biodegradable cutting oil, mineral oil, or any fats, oils, or greases of animal or vegetable origin into the POTW system in such amounts as to cause interference with the collection and treatment system, or exceed the parameters of the treatment facility, or to cause pollutants to pass through the treatment works into the environment.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.4. - Compliance date.

(a) On or after the effective date of the ordinance enacting this article, an existing facility shall be required to install an approved, adequately sized, and properly operated and maintained grease interceptor when any of the following conditions exist:

It is found to contributing grease in quantities sufficient to cause sanitary sewer line stoppages or necessitate increased maintenance on the sanitary sewer collection system in order to keep main line stoppages from occurring. It is remodeling the food preparation or kitchen waste plumbing facilities in such a manner to be subject to a permit issued by the city.

(b) Existing facilities required by this or other applicable ordinance to maintain a grease interceptor presently equipped with an undersized or improper grease interceptor shall, within eighteen (18) months of the effective date of this division, install an adequately sized grease interceptor in accordance with the specifications of this division.

(c) Existing facilities required by this or other applicable ordinance to maintain a grease interceptor that are not currently equipped with a grease interceptor shall, within nine (9) months of the effective date of this division, install an appropriate and adequately sized grease interceptor in accordance with the specifications of this division.

(d) New facilities required by this or other applicable ordinances to maintain a grease interceptor shall install such a unit prior to commencement of discharge to the POTW.

(e) Any requests for extensions to installation dates must be made in writing to the city, at least thirty (30) days in advance of the compliance written request shall include the reasons for the grease generator's failure or inability to comply with the compliance date set forth, the time needed to complete the remaining work, and the steps to be taken to avoid future delays. The city shall determine the date for con Requests based solely on monetary considerations will not be accepted.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.5. - Discharge criteria.

(a) Where fats and grease are a byproduct of food preparation and/or cleanup, reasonable efforts shall be made to separate fats and grease into a separate container for proper disposal. Fats and grease shall not be discharged to any drains or grease interceptors, except as contained in byproducts of food preparation and/or clean up. Such waste shall be placed in a container designed to hold such waste and either utilized by industry or disposed of at suitable locations. This also applies to residential users.

(b) None of the following agents shall be placed directly into a grease interceptor, or into any drain that leads to the interceptor:

(1) Emulsifiers, de-emulsifiers, surface active agents, enzymes, degreasers, or any type of product that will liquefy grease interceptor wastes,

(2) Any substance that may cause excessive foaming in the POTW, or

(3) Any substance capable of passing the solid or semi-solid contents of the grease interceptor to the POTW.

(c) The influent to grease interceptors or grease traps shall not exceed one hundred and forty (140) degrees Fahrenheit.

(d) Toilets, urinals, and other similar fixtures shall not discharge through a grease interceptor.

(e) No food waste disposal unit or dishwasher shall be connected to or discharge into any grease interceptor or grease trap.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.6. - Grease interceptor permit.

(a) Any food service facility discharging grease, oil or other objectionable material is required to obtain a permit from the city known as a "Grease Interceptor Permit".

(b) All existing facilities must obtain a permit within three (3) years from the date this division goes into effect.

(c) All facilities will be subject to annual inspections. These inspections will be initiated within one (1) year after the adoption of this division. Inspection fees will be assessed as described in this division.

(d) "Grease Interceptor Permit" applications shall be completed and filed with the city. Plans shall be provided with the application indicating the location and design details for the proposed grease interceptor.

(e) Permits shall be issued for a specified time not to exceed five (5) years. If a permittee is not notified by the city thirty (30) days prior to the expiration of the permit, the permit shall be extended one (1) additional year. The terms and conditions of the permit may be subject to modification by the city during the life of the permit. The permittee shall be informed of any proposed changes in the permit at least thirty (30) days prior to the effective date of change. Any new conditions in the permit shall include a reasonable time schedule for compliance. After five (5) years from the original permit issue date, the permit shall be renewed by submitting a new permit application, however; no new application fee shall be assessed.

(f) Permittees are required to pay a one-time application fee of one hundred dollars ($100.00) and an annual inspection fee one hundred dollars ($100.00). Annual inspection fees may be waived upon demonstration by the permittee that fats, oils, and grease collected in grease interceptors, or alternate approved systems, have been recycled for conversion to biodiesel or other products as approved by the city. Documentation is subject to verification by the city or the department of public works.

(g) Permits shall be issued only for a specific use and discharge, which by its nature are detrimental to the POTW.

(h) As a result of any sale, lease, or transfer of the premises for which the permit was issued, a new permit shall be required. Any new or changed conditions of operation shall also require that a new permit be issued.

(h) The permit may be revoked by the city if the permittee is found to be in violation of this chapter and who:

(1) Fails to install grease pretreatment devices as required by the permit;

(2) Fails to fulfill reporting requirements or pretreatment maintenance as required by the permit;

(3) Refuses reasonable access to the permittee's premise for the purpose of inspection or monitoring;

(4) Violates conditions of the permit.

(5) All permittees shall engage in best management practices, as outlined in FOG manual provided to the permittee by the city with the grease interceptor permit application.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.7. - Grease interceptor permit requirements.

(a) Any new food service facility discharging grease, oil or other objectionable material is subject to grease interceptor requirements. All such facilities must obtain prior approval from the city for grease interceptor sizing prior to or when submitting plans for a building permit.

(b) Existing facilities with planned modification in plumbing improvements, with a building permit valuation of twenty thousand dollars ($20,000.00) or more will be required to include plans to comply with the grease interceptor requirements. All existing facilities, determined by the city, to have a reasonable potential to adversely impact the sewer collection system will be notified of their obligation to install a grease interceptor within the specified period set forth in the notification letter.

(c) Maintenance records on interceptor cleaning and pumping must be maintained for three (3) years and must be available for inspection on the premises.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.8. - Required reporting.

All permitted interceptor waste generators shall, at the time of permit renewal, submit to the city:

(a) Copies of all manifests made by liquid waste transporters servicing their grease interceptor during past year;

(b) A copy of the interceptor maintenance log;

(c) A copy of the interceptor service contract; and

(d) Any other information required by the grease interceptor permit, including analysis of the discharge to the POTW of such pollutants as the city may require.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.9. - Grease interceptor requirements.

(a) Grease interceptor sizing and installation shall conform to the current edition of the Georgia Plumbing Code.

(b) Grease interceptors shall be constructed in accordance with design approved by the city and shall have a minimum of two (2) compartments with fittings designed for grease retention.

(c) Grease interceptors shall be installed at a location where it shall be easily accessible for inspection, cleaning, and removal of intercepted grease. The grease interceptor may not be installed in any part of the building where food is handled. Location of the grease interceptor must meet the approval of the city and the public works department.

(d) All such grease interceptors shall be serviced and emptied of accumulated waste content as required in order to maintain minimum design capability or effective volume. These devices should be inspected at least monthly. Users who are required to maintain a grease interceptor shall:

(1) Provide for a minimum hydraulic retention time in accordance with the Georgia Plumbing Code.

(2) Remove any accumulated grease cap and sludge pocket as required.

(3) Grease interceptors shall be kept free of inorganic solid materials such as grit, rocks, gravel, sand, eating utensils, cigarettes, shells, towels, rags, etc., which could settle into this pocket and thereby reduce the effective volume of the device.

(e) Access manholes, with a minimum diameter of twenty-four (24) inches, shall be provided over each grease interceptor chamber and sanitary tee. The access manholes shall extend at least to finished grade and be designed and maintained to prevent water inflow or infiltration. The manholes shall also have readily removable covers to facilitate inspection, grease removal, and wastewater sampling activities.

(f) Grease interceptors required under this division shall be installed in all food service facilities unless the city authorizes the installation of an indoor grease trap or other alternative pretreatment technology and determines that the installation of a grease interceptor would not be feasible. The food service facility bears the burden of demonstrating the installation of a grease interceptor is not feasible. If a facility believes the installation of a grease interceptor is infeasible, because of documented space constraints, the request for an alternative grease removal device shall contain the following information:

(1) Location of sewer main and easements in relation to available exterior space;

(2) General information about existing plumbing at the site.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.10. - Grease trap requirements.

(a) Upon approval by the city, a grease trap complying with the provisions of this section must be installed in the waste line leading from sinks, drains, and other fixtures or equipment in food service facilities where grease may be introduced into the drainage or sewage system in quantities that can effect line stoppage or hinder sewage treatment or private sewage disposal.

(b) Grease traps sizing and installation shall conform to the Georgia Plumbing Code.

(c) Grease traps shall be maintained in efficient operating conditions by periodic removal of the accumulated grease. No such collected grease shall be introduced into any drainage piping, or public or private sewer.

(d) No food waste disposal unit or dishwasher shall be connected to or discharge into any grease trap.

(e) Wastewater in excess of one hundred and forty (140) degrees Fahrenheit shall not be discharged into a grease trap.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.11. - Violation.

(a) It is unlawful for any user to discharge into the POTW in any manner that is in violation of this article, or of any condition set forth in this article. Additionally, a person commits an offense if the person causes or permits the plugging or blocking of, or otherwise interferes with or permits interference with a grease interceptor or the POTW, including alteration or removal of any flow constricting devices so as to cause flow to rise above the design capacity of the interceptor.

(b) No person, and/or facility shall discharge grease to the POTW, except as expressly authorized by this article. If such discharge occurs, the person or facility shall be considered in violation of this article and subject to the remedies described herein. This includes non-permitted facilities.

(c) The city may recover the fees and costs imposed by this section in a civil action and may pursue any other remedy available at law or inequity to address a violation of this article or to enforce compliance with it.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.12. - Enforcement.

All violations of this division are punishable by law, and will be administered by the city court. The maximum penalty for violating this division shall be one thousand dollars ($1,000.00) or up to thirty (30) days in jail.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.13. - Appeal process.

(a) The appellant shall have thirty (30) days in which to appeal any permitting decisions.

(b) Appeals shall be made in writing to the director of public works not less than thirty (30) days prior to the City of Port Wentworth Council meeting date at which this matter would be heard as a regular agenda item.

(c) All appeals brought forth shall only apply to permitting decisions and not to any direct or indirect violations of this division.

(Ord. No. 09-09, 6-25-09)

Sec. 21-112.14. - Authorization.

Public work representatives are authorized to promulgate such rules and regulations as shall be reasonable and necessary to carry out the provisions of this division according to its terms and intent.

(Ord. No. 09-09, 6-25-09)

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 7-2 PRETREATMENT PERMIT APPLICATION WITHDRAWAL LETTER

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Watershed Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1152, East Tower
Atlanta, Georgia 30334
404-463-1511

July 23, 2018

Mr. Joshua Shelton
Vice President
P.O. Box 1200
Tallahassee, Florida 32302

RE: Application Withdrawal
McKenzie Tank Lines
MTL Groundwater Treatment System
Pretreatment Permit No. GAP050329
Chatham County, Savannah River Basin

Dear Mr. Shelton:

This letter is to acknowledge that the Georgia Environmental Protection Division (EPD) has received your pretreatment application dated May 25, 2018 for issuance of Pretreatment Permit GAP050329. We have completed a review of your application and have determined your facility discharge does not meet the criteria requiring you to obtain a Pretreatment Permit to discharge to the City of Port Wentworth sewerage system. EPD's justification is provided below.

40 CFR 403.3 defines a Significant Industrial User as the following:

1. A Categorical Industrial User, which is subject to categorical pretreatment standards under 40 CFR 403.6 and 40 CFR Chapter I, subchapter N.

2. Any Industrial User discharging greater than 25,000 gallons per day on average of process wastewater to the POTW.

3. Any Industrial User that has discharge accounting for more than 5% of the average dry weather hydraulic or organic capacity of the POTW

4. Any Industrial User that has discharge with the reasonable potential to adversely affect the POTW's operations or for violating any Pretreatment Standard or Requirement.

McKenzie Tank Lines – MTL Groundwater Treatment System is not subject to any federal categorical pretreatment standards, hence they are not a categorical industrial user. According to the application, the facility proposes to discharge less than 25,000 gallons per day, which is 0.7% of the total design flow of the POTW. Lastly, the estimated data provided in the application shows trace amounts of chlorinated volatile organics which will not cause pass-through or interference of the City of Port Wentworth. As an additional measure of protection,

the MTL Groundwater Treatment System will be equipped with a telemetry system to monitor the performance of groundwater treatment system, which is designed to automatically shut down the groundwater conveyance system to prevent any untreated wastewater from entering the City of Port Wentworth sewerage system and violating the Federal Pretreatment Standards and Requirements if a malfunction or emergency occurs. Since the applicant is not considered to be a Significant Industrial User, a discharge permit is not required for discharge to the City of Port Wentworth sewerage system at this time.

Per this letter, the current application for Pretreatment Permit GAP050329 has been withdrawn and no Pretreatment Permit will be issued for your facility. EPD recommends that an updated application be submitted if any changes are made to the process and/or loadings of pollutants. For any additional information regarding permitting please visit http://epd.georgia.gov/.

If you have questions or comments, please contact me at 404.463.0932 or via email at *christopher.douglas@dnr.ga.gov.*

Sincerely,

Audra Dickson, Manger
Wastewater Regulatory Program

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

NINTH SEMI-ANNUAL PROGRESS REPORT

ATTACHMENT 9-1
MONTHLY SUMMARY OF HOURS INVOICED (MAY 2018 – OCTOBER 2018)

Environmental International Corporation
McKenzie Tank Lines VIRP Summary of Hours
May 2018 through October 2018

TASKS	May 18	Jun 18	Jul 18	Aug 18	Sep 18	Oct 18	Total
Groundwater Sampling	139.25	49.25	16.00	0.00	33.00	145.50	383
Semi-Annual Report Preparation	95.25	6.50	0.00	0.00	8.75	95.00	206
Groundwater Remediation Design	49.75	48.75	50.25	8.50	0.00	12.50	170
Well Installation and Abandonment	23.50	65.75	217.25	9.25	0.00	0.00	316
Soil/Sediment Remediation	16.50	9.50	0.00	60.00	185.25	23.00	294
Technical Support	22.75	22.00	0.75	95.25	28.00	129.75	299
TOTAL	347	202	284	173	255	406	1,667