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1st Semiannual Voluntary Remediation Program Progress Report

Former Georgia Department of Transportation District 4 Maintenance Headquarters and Lott Lumber Property (HSI #10025)

January 5, 2018

213 Walker Street
Douglas, Coffee County
Georgia

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Acronyms and Abbreviations

µg/L	micrograms per liter
AES	Analytical Environmental Services
bgs	below ground surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
COI	Constituent of Interest
CSM	Conceptual Site Model
CSR	Compliance Status Report
GA EPD	Georgia Environmental Protection Division
GDOT	Georgia Department of Transportation
HSI	Hazardous Site Inventory
HSRA	Hazardous Site Response Act
ISCO	In Situ Chemical Oxidation
NTU	Nephelometric Turbidity Unit
PAH	Polycyclic Aromatic Hydrocarbon
POD	Point of Demonstration
POE	Point of Exposure
RCRA	Resource Conservation and Recovery Act
RRS	Risk Reduction Standards
SIM	Selective Ion Monitoring
UCL	Upper Confidence Limit
UEC	Uniform Environmental Covenant
USEPA	United States Environmental Protection Agency
VIRP	Voluntary Investigation and Remediation Plan
VOC	Volatile Organic Compound
VRP	Voluntary Remediation Program

1 Introduction

The purpose of this 1st Semi-Annual Voluntary Remediation Program Progress Report is to discuss the current site conditions and any actions taken since the initial Voluntary Remediation Program (VRP) application dated January 16, 2017 for the Former Georgia Department of Transportation (GDOT) District 4 Maintenance Headquarters Site (Site). This report has been prepared by AECOM on behalf of GDOT for submittal to the Response and Remediation Program of the Land Protection Branch of the Georgia Environmental Protection Division (EPD). The Site is listed on EPD's Hazardous Site Inventory (HSI) as Site No. 10025. Two off-site properties (Lott and Sharma Hospitality) are also sub-listed under HSRA. This report also describes the annual groundwater and surface water sampling and monitoring work performed pursuant to the Georgia Rules for Hazardous Site Response (the Rules) for the Site.

1.1 Background

The Site was accepted into the VRP on June 30, 2017. EPD approved the voluntary remediation plan, which specified corrective action consisting of the following:

- Certification to Type 2 Risk Reduction Standards (RRS) for soil on the qualifying property.
- Conduct groundwater monitoring for two years to verify the effectiveness of prior In Situ Chemical Oxidation (ISCO) using a Modified Fenton's Reagent in support of Monitored Natural Attenuation (MNA) as a post ISCO remedy.
- Investigation of surface water and sediment impacts from groundwater discharging into the surface water drainage feature on the eastern border of the property.
- Execution of a uniform environmental covenant as an institutional control to ensure future control of site related exposure pathways.

In addition, because regulated substance(s) are also detected on the Lott property, GDOT is updating the VRP application to include the affected Lott property as a qualifying property under the Act. Another qualifying property, Sharma Hospitality, will remain on the HSI because the owner has not agreed to enter the VRP. However, the final remediation plan that will be due within 30-months of enrollment may require corrective actions necessary to bring the Sharma Hospitality Property into compliance with one or more applicable risk reduction standards (RRS) pursuant to Section 391-3-19-.O7 of the Rules for Hazardous Site Response (Rules).

1.1 Site Location and Description

The Walker Street site is a 13.6-acre property located in Douglas, Coffee County, Georgia (**Figure 1**) (the Site). It is bounded by Walker Street to the south, drainage ditches to the east

and north, and the City of Douglas bike path on the west. **Figure 2** shows the parcels comprising the HSI site. The Site is relatively flat with the greatest amount of relief at the drainage ditch located on the eastern side of the Site. Currently, the Site is grassed with scattered pine trees and is completely surrounded by a 10-foot security fence. Prior to remedial activities, approximately 11 buildings were present, as well as two roofed sheds, a washing shed, and two wooden loading docks. Two off-site properties (Sharma Hospitality and the Lott Property) were included in Hazardous Site Inventory (HSI) #10025 as associated with the Site.

1.2 Site History and Use

The Site was historically used since the 1950s to provide maintenance support to the Georgia Department of Transportation (GDOT) 13-county District 4 area. According to GDOT, past operations included wood preserving, asphalt manufacturing, heavy equipment and vehicle repairs, sign manufacturing, and painting. Wood treating was reportedly done only with creosote and only in the central part of the Site. The treated wood was stored on bare ground (i.e., without a drip pad) in the northern section of the property. The Site was also used for storage of materials and products needed to support highway maintenance activities. GDOT discontinued use of the Site and deeded the property to Coffee County, which subsequently transferred ownership to Mr. Francis Lott in 1990. After 1990, the only activities at the Site included the storage of building materials in the former Automotive Shop and the operation of a feed and seed store at the former Heavy Maintenance Headquarters. The property was reacquired by GDOT in 2001.

1.3 Adjacent Properties Information

The surrounding land uses and distance to residential property are as follows:

North Commercial and light-industrial. Residential land use is greater than one mile north of the subject property. The Lott Property adjoins the Site to the north and northeast of the Site. The Lott Property is located at 1201 North Peterson Avenue, Douglas, GA 31533.

East Commercial. Residential land use is approximately 600 feet east of the subject property. Sharma Hospitality adjoins the Site to the east.

South Walker Street, followed by retail land use. The closest residential land use is approximately 100 feet southwest of the subject property.

West Bicycle path followed by commercial and light-industrial structures. Residential property is located approximately 675 feet west of the subject property.

1.4 Report Organization

This report presents the investigation and remedial status during the first semiannual reporting period of the Site since entering the Voluntary Remediation Program (VRP). Section 2 discusses activities completed during the third and fourth quarter of 2017, including a soil and groundwater investigation on the Lott Property; a GDOT property ISCO corrective action performance monitoring, and an annual site-wide groundwater monitoring; and a surface water investigation. Section 3 discusses the conceptual site model as it is currently understood. Section 4 discusses the receptors and exposure pathways for the on-site impacted groundwater. Section 5 presents the project schedule, including planned upcoming activities at the Site. Section 6 summarizes the professional service hours for the current reporting period. Section 7 provides references.

Comments from EPD regarding the VRP application have been addressed where possible in this report. Correspondences with EPD including response to EPD's review comments are included in **Appendix A**.

2 Activities Performed During First Semiannual Progress Period through the End of September 2017

2.1 Access Agreement for Qualifying Property (Lott)

In July 2017, David Lott signed the access agreement and approval to enroll the Lott Property into the VRP. Voluntary Investigation and Remediation Plan (VIRP) activities were performed on the Lott Property in August and September 2017. The VRP application has been revised to include a subdivided Lott Property parcel based on the VIRP results, and the revised VRP application is included in this report as **Appendix B**. The subdivided Lott Property will be recorded in the Coffee County Property Records during the subsequent reporting period. Based on the VIRP activities, the anticipated extent of the subdivided Lott property is presented in **Figure 3**. An addendum to the VRP application, which includes a copy of the recorded property deed, is planned to be submitted with the next semiannual progress report.

2.2 Soil Assessment on Lott Property

2.2.1 Soil Sampling Procedure and Analysis

The assessment of soil contamination was accomplished through the installation and sampling of drilled soil borings, direct push borings, and hand auger borings. A total of 13 borings were installed between 0 and 4 feet below ground surface (bgs). Two soil samples were collected at each of these locations; the first was a composited soil sample from the 0 to 2 feet bgs depth, and the second was a composited soil sample from the 2 to 4 feet bgs depth. Collected soil samples were delivered to Analytical Environmental Services (AES) for analysis of volatile organic compounds (VOCs) via United States Environmental Protection Agency (USEPA) Method 8260B, lead via USEPA Method 6010C, and polycyclic aromatic hydrocarbons (PAH) plus selective ion monitoring (SIM) via USEPA Method 8270D. The summary analytical results of the soil laboratory analyses are summarized in **Table 1**. The soil boring locations and summary analytical results are presented as **Figure 4**. Boring logs are presented in **Appendix C**, and the laboratory analytical data reports are included in **Appendix D**.

2.2.2 Soil Sampling Results Delineation Status relative to Cleanup Goals

Analytical results of the soil samples collected across the Lott property were compared to the approved risk reduction standards (RRS) adopted by the Georgia Environmental Protection Division (GA EPD) under the VRP. Analytical results of two samples collected from two locations, Lott SB-10 from 2 to 4 feet bgs, and Lott SB-11 from 2 to 4 feet bgs, exceeded the non-residential RRS (Type 3) for at least one PAH. The sample location Lott SB-10 was

collected under the wood storage pavilion and had exceedances of benz(a)anthracene, benzo(a)pyrene, and phenanthrene above their respective Type 3 RRS. The sample location Lott SB-11 was collected hydraulically downgradient of Lott SB-11, and analytical results indicated an exceedance of benz(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene above their respective Type 3 RRS. While various VOCs, lead, and PAHs were detected in samples collected at other soil boring locations, no other analytical results demonstrated exceedances above respective Type 3 RRSs.

An area averaging of soil analytical results was conducted to understand the risk potential associated with the detected PAH compounds, including benz(a)anthracene, benzo(a)pyrene, and benzo(b)fluoranthene, and phenanthrene, which exceeded the non-residential soil RRSs. Area averaging results with a 95% upper confidence limit (UCL) for the mean indicated that only benz(a)anthracene exceeded the Type 3 RRS. The Type 4 RRS was then calculated for benz(a)anthracene; an area averaging of the benz(a)anthracene soil detections did not exceed the Type 4 RRS. The summary results of the area averaging for each analyte is provided in the table below. The calculations used to establish the Type 4 RRS value are provided in **Appendix E**. Based on the area averaging, the Lott Property soil is in compliance with the Type 4 RRS.

Analyte	Units	UCL	Statistical Type	Type 3 RRS	Type 4 RRS
Benz(a)anthracene	mg/kg	6.131	97.5% KM (Chebyshev) UCL	5	9.21
Benzo(a)pyrene	mg/kg	1.224	95% KM Bootstrap t UCL	1.64	Not Calculated
Benzo(b)fluoranthene	mg/kg	3.185	95% KM Bootstrap t UCL	5	Not Calculated
Phenanthrene	mg/kg	25.997	KM Bootstrap t UCL	110	Not Calculated

KM – Kaplan-Meier statistics using normal critical values and other nonparametric UCLs
mg/kg – milligrams per kilogram
UCL – upper confidence limit

2.3 Groundwater Assessment on Lott Property

2.3.1 Monitoring Well Installation

Immediately following the collection of soil samples at three soil boring locations (Lott SB-12, Lott SB-9, and Lott SB-10), groundwater monitoring wells (GW-45S, GW-46S, and GW-47S, respectively) were installed to investigate the impacts to shallow groundwater by Site constituents of interest (COIs). In addition, a piezometer well (PZ-4) was installed at the southern portion of the Lott sub-divided property adjacent to the drainage ditch. The monitoring wells were installed and sampled in accordance with USEPA Region IV Science and Ecosystem Support Division (SESD) Field Branches Quality System and Technical Procedures for design and installation of monitoring wells, and sampling (SESDGUID-101-R1 & SESDPROC-

3010R4). The wells were purged and allowed to settle for several days prior to groundwater sampling. A map of the Site's groundwater monitoring well locations is provided on **Figure 5**. Well construction schematics are presented in **Appendix C**. A summary of the well construction data and the historical groundwater elevations are presented in **Table 2**.

2.3.2 General Approach and Procedures for Groundwater Sampling and Analytical Test Methods

During the groundwater sampling events completed during this reporting period, wells were sampled using either low-flow / low-stress (preferred method) or low-flow / low-volume (micro-purge method) groundwater sampling techniques. Groundwater purge and sampling was performed in accordance with the USEPA Region IV Science and Ecosystem Support Division's groundwater sampling procedures (SESPROC-301-R4). Purge rates were set between approximately 0.5 and 1.0 liters per minute. Based on previous communications with the GA EPD, in cases where water levels were dropping during purging, a minimum of three well volumes were purged prior to sampling (**Appendix A**). If the well went dry before three well volumes were purged, AECOM waited (only as long as recharge takes – not overnight) and then collected the sample upon recharge. For wells where the low-flow / low-volume purge was possible, the following procedures were followed:

a. Periodic readings of field parameters, including pH, temperature, conductivity, and turbidity, were collected and included on field groundwater sampling forms.

b. The amount of water purged and time between analyses of field parameters were recorded to assess any trends that may be occurring in the field parameters and to determine if a parameter was stable.

c. A parameter was considered stable when the last three readings met the following stability criteria with the exception of turbidity:

- Water level ± 0.01 foot
- Temperature ± 0.1°C (degrees Celsius)
- pH ± 0.02 SU (standard unit)
- Eh (redox potential) ± 2 mV (millivolt)
- Dissolved Oxygen ± 0.2 mg/L (milligrams per liter)
- Conductivity ± 0.2 mS/cm (milliSiemens per centimeter)
- Turbidity ± 10%

d. Where possible, turbidity was brought below 10 NTUs prior to sampling; however, it should be noted that 10 NTUs could not be achieved in some of the wells. The sampling crew ensured that the stability of the water table was within 0.1 foot for the last three

readings. Water level measurements were periodically collected along with field parameters to show that the water table had stabilized, and that water intake from purging was equal to the well recharge rate.

Information regarding the type of pump used, speed of the pump, and type of tubing are contained in **Appendix F**. Wells were sampled using peristaltic pumps, and all sampling equipment in contact with sample media was decontaminated prior to use. Due to the use of disposable tubing and peristaltic pumps for the sampling, decontamination was only required for the water level indicator between wells. Field equipment cleaning and decontamination procedures were carried out in accordance with SESDPRDC-205-R3.

Collected groundwater samples were preserved on ice and submitted under chain of custody to AES laboratory. Groundwater samples were analyzed according to the sampling and analysis breakdown listed in **Table 3**. Generally, the Lott property groundwater samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) via USEPA Method 8260B and PAHs plus SIM via USEPA Method 8270C. Sixteen (16) wells sampled on the Lott property, or immediately adjacent to it, included GW-12S, GW-12I, GW-12D, GW-13I, GW-14S, GW-14I, GW-15S, GW-15I, GW-23S, GW-23I, GW-25S, GW-25I, GW-45S, GW-46S, GW-47S, and PZ-4.

2.3.3 Groundwater Sampling Results & Delineation Status relative to Cleanup Goals

Analytical groundwater results for the Site through the current reporting period are summarized in **Tables 4**, **5**, and **6**. **Figure 6** presents the locations and summary results for the Lott property area wells. **Figure 6** also presents the approximate extent of the Lott property to be subdivided. Field parameter data, including the parameters recorded during the most recent sampling event, are presented in **Appendix F**. The laboratory analytical data packages are contained in **Appendix D**.

The Lott property area groundwater results indicated that impacted groundwater was isolated in shallow groundwater located in the central portion of the subdivided lot beneath the wood storage pavilions. These include samples taken from monitoring wells GW12-S and GW-47S. Sample analytical results from GW-12S indicated detections of BTEX and several PAHs; however, only naphthalene exceeded the Type I groundwater RRS. Sample analytical results from monitoring well GW-47S indicated detections of BTEX and several PAHs, with only benz(a)anthracene and naphthalene exceeding their respective Type I groundwater RRS.

2.4 Site-wide Groundwater & ISCO Performance Monitoring on GDOT Property

A total of 50 groundwater monitoring wells were sampled during the September site-wide groundwater monitoring event. These include the aforementioned discussed Lott property area wells, wells located on the Sharma Property, the in situ chemical oxidation (ISCO) performance monitoring wells, and other GDOT property groundwater monitoring wells sampled on an annual basis.

2.4.1 ISCO Performance Monitoring Sampling

Between March 17 and June 27, 2015, two ISCO injection events were conducted on the GDOT property to treat the elevated BTEX and PAH impacts to the groundwater. Reagent injections were completed across three treatment areas covering approximately 83,900 square feet. A total of 623 injection screens were installed during the two injection events. Approximately 166,340 gallons of reagent (catalyst and oxidizer combined) were injected into the subsurface. **Figure 7** illustrates the ISCO injection areas and dissolved naphthalene plume extents prior to the injection. A full description of the ISCO injection events is described in the previous groundwater monitoring report (AECOM 2016). Thirteen (13) groundwater monitoring wells (GW-20S, GW-20I, GW-24I, GW-27I, GW-28I, GW-29S, GW-31I, GW-32I, GW-33I, GW-41S, G-42I, GW-43I, and GW-44I) were designated as performance monitoring wells and have been sampled on an approximately quarterly basis, including during the September 2017 sampling event. Groundwater samples were collected in accordance with aforementioned procedures (see Section 2.3.2). Performance monitoring well samples were analyzed for BTEX via Method 8260B, PAHs plus SIM via USEPA Method 8270C + SIM, and metals via SW6010D.

2.4.2 ISCO Performance Monitoring Results

Summary analytical results for the September 2017 performance monitoring wells are presented in **Tables 4**, **5**, and **6**. **Figure 10** presents the summary ISCO performance monitoring analytical results for sampling events before and after the injection events. **Figures 11** through **14** present the iso-concentration maps for naphthalene and benzene in the shallow and intermediate groundwater zones post injection and can be compared to **Figure 7**, which illustrates the pre-ISCO injection dissolved naphthalene and benzene groundwater plumes. Naphthalene and benzene were chosen as representative SVOC and VOC compounds, since they are the most mobile in groundwater. **Appendix G** presents trend graphs for the 13 performance monitoring wells, which are also illustrated on **Figure 10**. Based on an overview of the available data, the ISCO injection was successful at reducing the extent and concentration of the dissolved benzene and naphthalene groundwater plumes. However,

some rebound above Type 1 RRS for naphthalene and/or benzene has been detected in several wells, including GW-27I, GW-29S, BW-31I, GW-42I, GW-43I, and GW-44I.

2.4.3 ISCO Treatment Surfacing

During the course of the ISCO treatment injections, surfacing limited the total volume of reagent injected into the subsurface at locations where surfacing occurred. Field notes maintained during the injection recorded the instances of surfacing, the location relative to the injection point, and the type and volume of material injected prior to surfacing. In general, less than a quart of material surfaced at any giving surfacing location. **Figure 8** provides the injection locations where surfacing occurred during the first injection event, while **Figure 9** provides the injection locations where surfacing occurred during the second injection event. **Appendix H** provides the surfacing summary field notes from the two ISCO injection events.

2.4.3 Site-wide Groundwater Sampling

As part of the annual site-wide groundwater sampling event, a total of 50 wells were sampled and analyzed. Many of these wells have been previously discussed (Sections 2.3.3 and 2.4.2). Prior to sampling, all accessible Site wells were gauged to establish potentiometric surface maps of the shallow, intermediate, and deep groundwater tables.

Table 2 provides the well construction data and current groundwater elevations for the Site. **Table 3** provides the groundwater monitoring wells sampled and the laboratory analysis conducted. **Figure 5** depicts the location of the Site wells**.** **Figures 15**, **16**, and **17** depict the shallow, intermediate, and deep zone groundwater elevations and contour maps, respectively. **Appendix F** provides the groundwater sampling log sheets, including field parameter data.

2.4.4 Site-wide Groundwater Sampling Results & Delineation Status

The analytical results of the September 2017 groundwater sampling event are summarized in **Tables 4**, **5**, and **6**. **Figures 18** through **20** present the historical and current detections of VOCs and SVOCs. Based on the analytical groundwater results, the extent of impacted groundwater has shrunk significantly since the ISCO injection event. Iso-concentration maps for naphthalene in the shallow and intermediate zone groundwater are presented in **Figures 11** and **9**, respectively. Similarly, iso-concentration maps for benzene in the shallow and intermediate zone groundwater are presented in **Figures 13** and **14**, respectively. Naphthalene and benzene were chosen as representative SVOC and VOC compounds, since they are the most mobile in groundwater. A review of historical iso-concentration figures demonstrates there is no migration of the impacted groundwater from the source area.

2.5 Eastern Drainage Ditch Average Annual Ditch Flow Conditions Evaluation

The eastern drainage ditch flows north along the eastern side of the Site. The ditch receives storm water runoff from a large portion of the city of Douglas prior to flowing past the Site. The ditch eventually discharges to Twenty Mile Creek, at a confluence approximately half a mile north of the Site.

While water is observed in the ditch during dry conditions, observable flow in the creek is limited to during and after rain events. An assessment and calculation of low flow conditions based on an analysis of the watershed indicated that average flow conditions are approximately 1 cubic foot per second (cfs). **Appendix I** presents a memorandum outlining how the average flow condition was calculated.

In order to assess the potential impact of Site groundwater on the surface water quality of the ditch, actual and average flow conditions must be evaluated. During this reporting period, two stream gauge data loggers were installed to monitor the changing depth of the surface water in the ditch. The cross-sectional measurements of the ditch and the elevation of the stream at the stream gauge locations were also taken in order to calculate the flow through the ditch. Data from the data loggers will be downloaded quarterly during groundwater sampling events. After a year of data collection, the average surface water flow conditions will be calculated in order to establish dilution corrections for surface water sampling analytical results. Another option will be to normalize surface water analytical results by multiplying the actual analytical sample results by the ratio of the concurrent ditch flow recorded for the specific time of surface water sampling to the long-term annual average ditch flow.

2.6 Eastern Drainage Ditch Surface Water Sampling

Surface water samples were collected at nine locations along the ditch in the vicinity of the Site during the annual site-wide groundwater monitoring event. Surface sample locations are indicated on **Figure 5**. Surface water samples were collected in a decontaminated sampling scoop and immediately transferred to laboratory provided sampling bottles. The samples were kept on ice until delivery to the laboratory for analysis. Surface water samples were analyzed for PAHs plus SIM via Method 8270C + SIM.

2.7 Surface Water Sampling Results

Current and historical surface water sample analytical results are presented as part of **Table 4**. Historical detections are also presented as part of **Figures 19a** and **19b**. Results were

compared to the Georgia In-stream Water Quality Standards (ISWQS) for surface water. However, many of the laboratory's method detection limit (MDL) for the PAHs were above the ISWQS, including benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

During the September 2017 sampling event, analytical results indicated that two of the surface water sample locations (SW-1 and SW-2) exceeded the ISWQS for benz(a)anthracene (above 0.0311 micrograms per liter [µg/L]) and/or chrysene (above 0.0311 µg/L). Surface water sample location SW-1 is located at the upstream most point of the Site, while surface water sample location SW-2 is located immediately upstream of the Site's impacted intermediate groundwater plume, as is represented in the iso-concentration map for naphthalene on **Figure 12**. Since the samples have generally been collected during low flow conditions, surface water analytical results will be adjusted to the flow conditions of the ditch to estimate the concentration of each analyte diluted to the average flow conditions once the average flow conditions are established.

3 Conceptual Site Model

3.1 Surface Setting

The Site is currently vacant. Eleven buildings were historically located on the property; however, these were removed prior to the Site's remedial activities. The building demolition and soil excavation activities were completed in August 2004. Final soil excavation was completed in May 2014. The Site is relatively flat with a drainage swale extending west to east across the center portion of the Site and discharging into the eastern drainage ditch, a drainage ditch that extends along the Site's eastern property boundary. The immediate Site vicinity consists primarily of commercial and light-industrial properties, beyond which are residential properties. No sensitive receptors (e.g., playgrounds, schools, etc.) are located in the immediate vicinity of the Site.

3.2 Subsurface Setting

The Site is located in the Florida Platform of the Coastal Plain Physiographic Province of Georgia. According to mapping by the Georgia Geologic Survey, the Site is underlain by geologic formations belonging primarily to the Hawthorne Group. The Hawthorne Group was formed in a shallow-water marine environment and is primarily composed of dolostone and limestone. The surface soils of the property are characterized by the United States Department of Agriculture Soil Survey website as belonging primarily to the Wicksburg loamy sand series. Soils at the Site were explored to depths of approximately 70 feet bgs during site assessment activities. Samples from the borings show that the Site soils consist mainly of sand and clay layers, with the percentage of sand increasing with depth. A layer of heterogeneous fill is present in the upper 4 to 15 feet of the Site. **Figure 21** provides a cross section location map of the Site, and **Figures 22** and **23** illustrate the geological cross sections.

Shallow groundwater at the Site is typically first encountered at an average depth of 5 feet bgs, and has been found to occur in two separate water-bearing zones. The first, Aquifer 1, consists of interconnected shallow and intermediate zones. The shallow water-bearing zone extends from a depth of 4 to 15 feet bgs. The intermediate water-bearing zone is unconfined and extends to a depth of approximately 35 feet bgs. The second aquifer, Aquifer 2, consists of sands and cemented sands at a depth of 55 to 70 feet bgs and is separated from the intermediate water-bearing zone by an impermeable layer of clay and cemented sands. The direction of groundwater flow is generally to the east/northeast; however, due to the extensive soil excavation, backfill, and compaction activities completed at the Site, slight changes to the depth and apparent groundwater flow direction may be observed in the shallow and

intermediate water table elevations. **Figures 15**, **16**, and **17** depict the most recent groundwater elevation and contour maps for the shallow, intermediate, and deep water tables, respectively.

3.3 Regulated Substances

3.3.1 Soil

Regulated substances historically found in soils above the HSRA Type 1 RRS include the PAHs and the Resource Conservation and Recovery Act (RCRA) metals listed in the following table; however, soil corrective action has remediated the Site's soils to be certified below the Type 2 RRS (Residential, site-specific).

Regulated Substances Historically Found in On-Site Soils in Excess of Type 1 and Type 2 RRS (Residential Use Scenario)

PAHs		RCRA Metals
acenaphthene	dibenzo(a,h)anthracene	antimony
anthracene	fluoranthene	arsenic
benz(a)anthracene	fluorene	chromium
benzo(a)pyrene	indeno(1,2,3-cd)pyrene	lead
benzo(b)fluoranthene	naphthalene	nickel
benzo(g,h,i)perylene	phenanthrene	zinc
chrysene	pyrene	

3.3.2 Groundwater

Groundwater sampling and analysis began in August 2004 and has identified regulated PAHs and VOC analytes. Detections have included 2,4-dimethylphenol, 2,4-dinitrotoluene, acenaphthene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, pyrene, 1,2-dichloroethane, benzene, toluene, ethylbenzene, and xylenes in varying concentrations in the wells sampled. In addition, five other PAHs (1-methylnapthalene, 2-methylnaphthalene, acenaphthylene, anthracene, and phenanthrene) with no assigned regulatory standards have historically been detected. However, only the regulated chemicals listed in the following table have been detected at concentrations exceeding the Type 1 RRS.

Regulated Substances Historically Detected in On-Site Groundwater Samples in Excess of Type 1 RRS

PAHs		BTEX/VOCs
acenaphthene	fluoranthene	Benzene
benz(a)anthracene	fluorine	1,2-dichloroethane
benzo(a)pyrene	indeno(1,2,3-cd)pyrene	
benzo(b)fluoranthene	naphthalene	
chrysene	pyrene	
dibenzo(a,h)anthracene		

The most recent assessment activities were performed in December 2015, prior to the full-scale groundwater corrective action, and were performed on thirty-three (33) monitoring wells and five (5) surface water samples.

3.4 Known Source Area

The Site was operated as a GDOT maintenance facility from the 1950s to the late 1980s. According to GDOT, past Site operations included wood preserving, asphalt manufacturing, heavy equipment and vehicle repairs, sign manufacturing, and painting. **Figure 24** provides the historical layout of the maintenance facility prior to the 2004 demolition activities. Wood treating was reportedly done only with creosote and only in the central part of the Site. The treated wood was stored on bare ground (i.e., without a drip pad) in the northern section of the property. The contamination of the on-site soils and groundwater is an apparent result of the past Site activities. The on-site contaminated soils were excavated between 2003 and 2014.

3.5 Contaminant Migration Pathways

A preliminary evaluation of the contaminant migration pathways indicates the following potential pathway:

- Horizontal and vertical migration within the shallow and intermediate groundwater zones at the Site (Aquifer 1), with transport driven by hydraulic properties of the local groundwater flow system, and as impacted by soil excavation and filling activities.

The prior groundwater monitoring results indicate that the groundwater contamination appears to be laterally stable. A final evaluation of the contaminant migration pathways will be performed during the implementation of the Preliminary Remediation Plan and included in the VRP Compliance Status Report (CSR).

3.6 Soil and Groundwater Impacts

Soil impacts have been certified to below the Type 2 RRS at the GDOT-owned portion of the Site. At the Lott property portion of the Site, soil impacts have been certified to below the Type 4 RRS.

The extent of groundwater impacts prior to the recent full-scale ISCO groundwater corrective action has been compiled for this report. Historical groundwater sampling analysis results are summarized in **Tables 4**, **5**, and **6** and are illustrated on **Figures 18** through **20**. **Figures 11** through **14** provide the current lateral extent of the groundwater contamination illustrating iso-concentrations of naphthalene and benzene, the most mobile of the VOC and PAH COIs. The vertical extent of the contamination can be seen on the geologic cross sections (**Figures 22** and **23**), which show the historical groundwater results for all detected regulated substances.

Surface water impacts are not fully understood at this time; however, surface water results are summarized in **Table 4**, and illustrated on **Figure 19b**.

4 Receptors and Exposure Pathways

Point of exposure (POE) and a point of demonstration (POD) wells were established during this reporting period.

4.1 Point of Exposure

A POE well was established to identify the nearest of the following locations:

- The closest existing downgradient drinking water supply well;
- The likely nearest future location of a downgradient drinking water supply well where public supply water is not currently available and is not likely to be made available within the foreseeable future; or
- The hypothetical point of drinking water exposure located at a distance of 1,000 feet downgradient from the delineated Site contamination.

Potable water for the city of Douglas comes from six municipal groundwater wells screened approximately 700 feet deep within the Upper Floridian Aquifer. The closest existing public water supply well is not directly downgradient, and is approximately 3,000 feet from the Site. However, a hypothetical well located 1,000 feet downgradient of the downgradient edge of the plume will serve as the POE. This edge has been defined on the Site, which will be 1,000 ft from monitoring well GW-47S on the Lott Property or monitoring well GW-11s on the Sharma Property.

4.2 Point of Demonstration

The VRP specifies that concentration of regulated constituents detected on property identified in a VIRP shall be measured and evaluated at a POD well. The purpose of the POD well is to demonstrate that groundwater concentrations are protective of any established downgradient point of exposure. A POD well, consisting of a "monitoring well located between the source of Site groundwater contamination and the hypothetical downgradient POE," has been identified. Following installation and sampling of the additional wells on the Lott property, monitoring well pair GW-15S and GW-15I have been selected as the POD well.

The estimated plume length will be increased by 1,000 feet to allow contaminant transport calculation through the POE. Bioscreen will be used to calculate the Site-specific cleanup standard for benzene and naphthalene for protection of groundwater. Benzene and naphthalene control remediation efforts at the Site.

5 Project Schedule and Update

5.1 Planned Actions for Next Reporting Period

An updated Project Milestone Schedule is included as **Appendix J**. Planned actions for the next reporting period are outlined below.

5.1.1 ISCO Performance Monitoring – December 2017 & March 2018 Sampling Events

In both December 2017 and March 2018, AECOM will conduct groundwater monitoring in order to monitor the performance of the ISCO treatment.

5.1.2 Fate and Transport Modeling

Although analytical results show that groundwater would not intercept a potential point of exposure located 1000 ft downgradient of the impacted on-site groundwater zone, groundwater predictive fate and transport modeling activities will be performed to predict contaminant plume characteristics over time. A groundwater predictive fate and transport modeling will be performed and reported during the next progress reporting. The BIOSCREEN Natural Attenuation Decision Support System (Bioscreen AT) will be used for the purposes of predicting the potential impact to a POE. Bioscreen AT is a modified Domenico model that predicts downgradient contaminant concentrations for three different model types:

1. Solute transport retardation and without decay,
2. Solute transport with retardation and biodegradation as a first order decay process, and
3. Solute transport with retardation and biodegradation as "instantaneous" reactions.

The model solves the solute transport equation as a function of time and distance from the source area. The decay first order process (Model Type #2) will be utilized to predict whether the hydrocarbon plume at the site would impact the water table in the location of the nearby stream.

5.1.3 Uniform Environmental Covenant

A draft uniform environmental covenant (UEC) for the qualifying property restricting groundwater usage will be prepared and submitted with the Second Semiannual VRP Progress Report.

5.1.4 Subdivided Lott Property Parcel

Based on the site's conceptual site model, a portion of the Lott Property will be subdivided and recorded with Coffee County. The approximate location of the proposed subdivided parcel is depicted in **Figure 3**.

5.1.5 Surface Water Average Flow Calculation

An average surface water level, based on the stream gauge download, will be used to calculate the average flow for the eastern drainage ditch. Based on the average flow, a dilution factor will be calculated for the surface water analytical results and reported.

5.2 Revised VIRP Application and Checklist

In response to the GA EPD review comments, a revised VIRP application and checklist is included as **Appendix B.** As part of the revised VIRP application, a copy of the GDOT Property deed is included as **Appendix L**.

5.3 Professional Services Hours this Period

A total of approximately 136.0 hours were utilized by the professional geologist overseeing the VRP project. The approximate distribution of hours utilized for implementation of the VIRP and progress reporting during this period is presented below.

Professional Geologist	**Felix Nchako No. 0873**		
Company	**Month/Year**	**Project Manager/ P.G. hours**	**Description**
AECOM	January – June 2017	32	Discussions with project team about Lott Property access and scope of VIRP as a qualifying property
AECOM	July 2017	40	Response to EPD VRP Application review comments and finalization of scope and access agreement for investigation on Lott Property.
AECOM	August – September 2017	40	VIRP on Lott Property and performance monitoring of groundwater ISCO injection on GDOT property.
AECOM	October - December 2017	24	Technical Peer review of Draft VIRP
	Total Hours	**136**	

6 References

AECOM, February 2016. December 2015 Surface Water and Annual Groundwater Sampling Report, Walker Street Maintenance Facility, Douglas, Coffee County, Georgia.

AECOM, January 16, 2017. Preliminary Remediation Plan and Voluntary Remediation Program (VRP) Application Walker Street Maintenance Facility, Douglas, Coffee County, Georgia.

Georgia Department of Natural Resources Environmental Protection Division (GA DNR EPD) Chapter 391-3-19, Hazardous Site Response 1995.

GA DNR EPD, March 2005. Approval of Groundwater Corrective Action Plan, Former GA DOT, District 4 Maintenance Headquarter, HSI #10025.

GA DNR EPD, June 2015. Underground Injection Control Permit #GAW000639 for Injection of Hydrogen Peroxide/ISOTEC Catalyst 4260 at Former Georgia DOT, District 4 Maintenance Facility in Douglas, Georgia (EPD-HIS ID#10025).

GA DNR EPD, June 30, 2017. Letter Correspondence, "Re: January 2017 Voluntary Remediation Program Application; December 2015 Surface Water & Annual Groundwater Sampling Report, February 2016; December 2016 Surface Water & Annual Groundwater Sampling Report and Full-Scale Groundwater ISCO Injection and Performance Monitoring Report, February 2017; Former GDOT District 4 Main HQ, HIS# 10025 213 Walker Street, Douglas, Coffee County, Georgia; Tax Parcel D011 220."

GA DNR EPD, June 30, 2017. Letter Correspondence, "Re: Voluntary Investigation and Remediation Plan and Application, January 16, 2017; Georgia Department of Transportation-District 4 Main HQ Property, HSI Site No. 10025; 215 Walker Street, Douglas, Coffee County, Georgia; Tax Parcel D011 220."

EMCON, November 1996. Revised Compliance Status Report for Walker Street Site, Douglas, GA.

Herrick, S.M., and Vorhis, R.E., 1963. Subsurface Geology of the Georgia Coastal Plain: Georgia Geological Survey Information Circular 25, 80 pp.

Huddlestun, Paul F., 1988. A Revision of the Lithostratigraphic Units of the Coastal Plain of Georgia: The Miocene through Holocene, Bulletin 104 (Atlanta: Georgia Geologic Survey, 1988).

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URS, September 2005. Groundwater Flow & Fate and Transport Modeling, Walker Street Site Maintenance Facility, Douglas, Coffee County, Georgia.

URS, November 2011. Corrective Action Plan Addendum, Walker Street Site Maintenance Facility, Douglas, Coffee County, Georgia.

URS, March 2013. December 2012 Surface Water and Annual Groundwater Sampling Report, Walker Street Site Maintenance Facility, Douglas, Coffee County, Georgia.

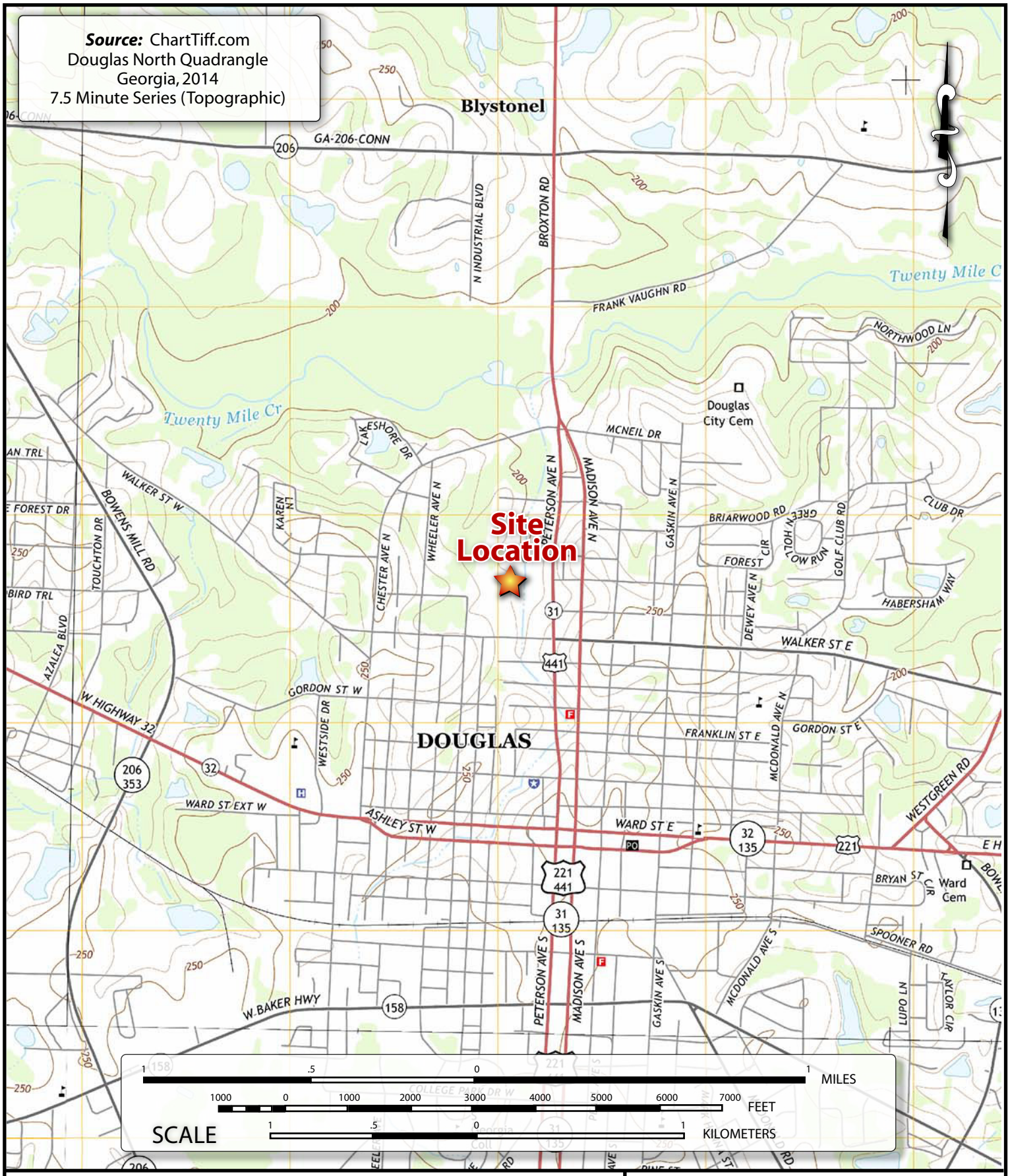
URS, August 2013. In-Situ Chemical Oxidation Field Activities and Performance Monitoring Report, Walker Street Maintenance Facility, Douglas, Coffee County, Georgia.

URS, April 2014. January 2014 Surface Water and Annual Groundwater Sampling Report, Walker Street Maintenance Facility, Douglas, Coffee County, Georgia.

URS, December 2014. Full-Scale Groundwater Corrective Action Work Plan, Georgia Department of Transportation, Former Walker Street Maintenance Facility, Douglas, Coffee County, Georgia.

Figures

Figures



CLIENT: Georgia Department of Transportation	TITLE: Site Location Map
PROJECT: Walker Street Site, Former GADOT Maintenance Facility	
DATE: February 2016	DESIGNED BY:
SCALE: 1:24,000	DRAWN BY: J. Gross
FILE: H:\proj\GDOT\WalkerStreet\Figure 1.ai	CHECKED BY: J. Vigil

AECOM

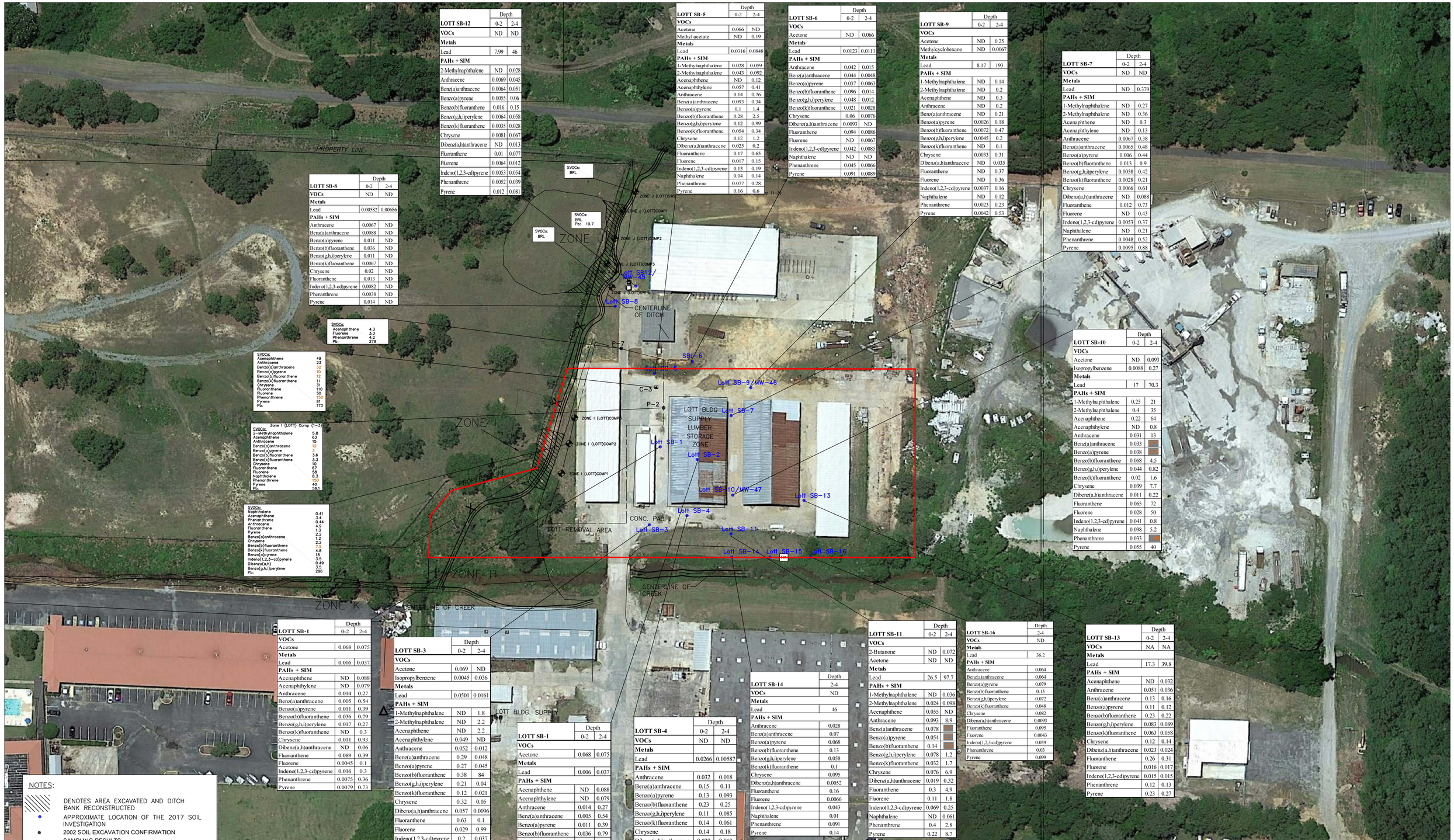
PROJ NO.: 60440866
TASK: 4
FIGURE: 1

CLIENT:	Georgia Department of Transportation	TITLE:	Properties/Parcels ComprisingHSI#10025
PROJ:	GDOT Walker Street Site, Douglas, Georgia		
DATE: May 2013	SOURCE: GoogleEarth.com	URS	PROJ. NO.: 15262801
SCALE: Not to Scale	DRAWN BY: J. Gross		TASK: 20000
FILE: H:\Proj\GDOT\WalkerSt\May2013\HSI 10025 Properties.ai	CHECKED BY: F. Nchako		FIGURE: 2

CLIENT:	Georgia Department of Transportation	TITLE:	Proposed Lott Property Subdivided Parcel Boundary
PROJ:	GDOT Walker Street Site, Douglas, Georgia		
DATE:	October 2017	SOURCE:	GoogleEarth.com
SCALE:	As Shown	DRAWN BY:	J. Gross
FILE:	H:\Proj\GDOT\WalkerSt\Oct2017\TaxMap.ai	CHECKED BY:	F. Nchako

AECOM

PROJ. NO.:	60440866
TASK:	5
FIGURE:	3



LOTT SB-12	Depth 0-2	Depth 2-4
VOCs	ND	ND
Metals		
Lead	7.99	46
PAHs + SIM		
2-Methylnaphthalene	ND	0.028
Anthracene	0.0069	0.045
Benz(a)anthracene	0.0064	0.051
Benzo(a)pyrene	0.0055	0.06
Benzo(b)fluoranthene	0.016	0.15
Benzo(g,h,i)perylene	0.0064	0.058
Benzo(k)fluoranthene	0.0035	0.028
Chrysene	0.0081	0.067
Dibenz(a,h)anthracene	ND	0.013
Fluoranthene	0.01	0.077
Fluorene	0.0064	0.012
Indeno(1,2,3-cd)pyrene	0.0053	0.054
Phenanthrene	0.0052	0.039
Pyrene	0.012	0.081

LOTT SB-8	Depth 0-2	Depth 2-4
VOCs	ND	ND
Metals		
Lead	0.00582	0.00686
PAHs + SIM		
Anthracene	0.0067	ND
Benz(a)anthracene	0.0088	ND
Benzo(a)pyrene	0.011	ND
Benzo(b)fluoranthene	0.036	ND
Benzo(g,h,i)perylene	0.011	ND
Benzo(k)fluoranthene	0.0067	ND
Chrysene	0.02	ND
Fluoranthene	0.013	ND
Indeno(1,2,3-cd)pyrene	0.0082	ND
Phenanthrene	0.0038	ND
Pyrene	0.014	ND

LOTT SB-5	Depth 0-2	Depth 2-4
VOCs		
Acetone	0.066	ND
Methyl acetate	ND	0.19
Metals		
Lead	0.0316	0.0848
PAHs + SIM		
1-Methylnaphthalene	0.028	0.059
2-Methylnaphthalene	0.043	0.092
Acenaphthene	ND	0.12
Acenaphthylene	0.057	0.41
Anthracene	0.14	0.76
Benz(a)anthracene	0.093	0.34
Benzo(a)pyrene	0.1	1.4
Benzo(b)fluoranthene	0.28	2.5
Benzo(g,h,i)perylene	0.12	0.99
Benzo(k)fluoranthene	0.054	0.34
Chrysene	0.12	1.2
Dibenz(a,h)anthracene	0.025	0.2
Fluoranthene	0.17	0.65
Fluorene	0.017	0.15
Indeno(1,2,3-cd)pyrene	0.13	0.19
Naphthalene	0.04	0.14
Phenanthrene	0.077	0.28
Pyrene	0.16	0.6

LOTT SB-6	Depth 0-2	Depth 2-4
VOCs		
Acetone	ND	0.066
Metals		
Lead	0.0123	0.0111
PAHs + SIM		
Anthracene	0.042	0.015
Benz(a)anthracene	0.044	0.0048
Benzo(a)pyrene	0.037	0.0063
Benzo(b)fluoranthene	0.096	0.014
Benzo(g,h,i)perylene	0.048	0.012
Benzo(k)fluoranthene	0.021	0.0028
Chrysene	0.06	0.0076
Dibenz(a,h)anthracene	0.0093	ND
Fluoranthene	0.094	0.0086
Fluorene	ND	0.0067
Indeno(1,2,3-cd)pyrene	0.042	0.0085
Naphthalene	ND	ND
Phenanthrene	0.045	0.0066
Pyrene	0.091	0.0089

LOTT SB-9	Depth 0-2	Depth 2-4
VOCs		
Acetone	ND	0.25
Methylcyclohexane	ND	0.0067
Metals		
Lead	8.17	193
PAHs + SIM		
1-Methylnaphthalene	ND	0.14
2-Methylnaphthalene	ND	0.2
Acenaphthene	ND	0.3
Anthracene	ND	0.2
Benz(a)anthracene	ND	0.21
Benzo(a)pyrene	0.0026	0.18
Benzo(b)fluoranthene	0.0072	0.47
Benzo(g,h,i)perylene	0.0045	0.2
Benzo(k)fluoranthene	ND	0.1
Chrysene	0.0033	0.31
Dibenz(a,h)anthracene	ND	0.035
Fluoranthene	ND	0.37
Fluorene	ND	0.36
Indeno(1,2,3-cd)pyrene	0.0037	0.16
Naphthalene	ND	0.12
Phenanthrene	0.0023	0.23
Pyrene	0.0042	0.53

LOTT SB-7	Depth 0-2	Depth 2-4
VOCs	ND	ND
Metals		
Lead	ND	0.379
PAHs + SIM		
1-Methylnaphthalene	ND	0.27
2-Methylnaphthalene	ND	0.36
Acenaphthene	ND	0.3
Acenaphthylene	ND	0.13
Anthracene	0.0067	0.38
Benz(a)anthracene	0.0065	0.48
Benzo(a)pyrene	0.006	0.44
Benzo(b)fluoranthene	0.013	0.9
Benzo(g,h,i)perylene	0.0058	0.42
Benzo(k)fluoranthene	0.0028	0.21
Chrysene	0.0066	0.61
Dibenz(a,h)anthracene	ND	0.088
Fluoranthene	0.012	0.73
Fluorene	ND	0.43
Indeno(1,2,3-cd)pyrene	0.0053	0.37
Naphthalene	ND	0.21
Phenanthrene	0.0048	0.52
Pyrene	0.0095	0.88

LOTT SB-10	Depth 0-2	Depth 2-4
VOCs		
Acetone	ND	0.093
Isopropylbenzene	0.0088	0.27
Metals		
Lead	17	70.3
PAHs + SIM		
1-Methylnaphthalene	0.25	21
2-Methylnaphthalene	0.4	35
Acenaphthene	0.22	64
Acenaphthylene	ND	0.8
Anthracene	0.031	13
Benz(a)anthracene	0.033	[illegible]
Benzo(a)pyrene	0.038	[illegible]
Benzo(b)fluoranthene	0.068	4.5
Benzo(g,h,i)perylene	0.044	0.82
Benzo(k)fluoranthene	0.02	1.6
Chrysene	0.039	7.7
Dibenz(a,h)anthracene	0.011	0.22
Fluoranthene	0.065	72
Fluorene	0.028	50
Indeno(1,2,3-cd)pyrene	0.041	0.8
Naphthalene	0.098	5.2
Phenanthrene	0.033	[illegible]
Pyrene	0.055	40

LOTT SB-1	Depth 0-2	Depth 2-4
VOCs		
Acetone	0.068	0.075
Metals		
Lead	0.006	0.037
PAHs + SIM		
Acenaphthene	ND	0.088
Acenaphthylene	ND	0.079
Anthracene	0.014	0.27
Benz(a)anthracene	0.005	0.54
Benzo(a)pyrene	0.011	0.39
Benzo(b)fluoranthene	0.036	0.79
Benzo(g,h,i)perylene	0.017	0.27
Benzo(k)fluoranthene	ND	0.3
Chrysene	0.011	0.93
Dibenz(a,h)anthracene	ND	0.06
Fluoranthene	0.089	0.39
Fluorene	0.0045	0.1
Indeno(1,2,3-cd)pyrene	0.016	0.3
Phenanthrene	0.0075	0.36
Pyrene	0.0079	0.73

LOTT SB-3	Depth 0-2	Depth 2-4
VOCs		
Acetone	0.069	ND
Isopropylbenzene	0.0045	0.036
Metals		
Lead	0.0501	0.0161
PAHs + SIM		
1-Methylnaphthalene	ND	1.8
2-Methylnaphthalene	ND	2.2
Acenaphthene	ND	2.2
Acenaphthylene	0.049	ND
Anthracene	0.052	0.012
Benz(a)anthracene	0.29	0.048
Benzo(a)pyrene	0.27	0.045
Benzo(b)fluoranthene	0.38	84
Benzo(g,h,i)perylene	0.21	0.04
Benzo(k)fluoranthene	0.12	0.021
Chrysene	0.32	0.05
Dibenz(a,h)anthracene	0.057	0.0096
Fluoranthene	0.63	0.1
Fluorene	0.029	0.99
Indeno(1,2,3-cd)pyrene	0.2	0.037
Naphthalene	0.023	0.26
Phenanthrene	0.34	0.2
Pyrene	0.47	0.081

LOTT SB-1	Depth 0-2	Depth 2-4
VOCs		
Acetone	0.068	0.075
Metals		
Lead	0.006	0.037
PAHs + SIM		
Acenaphthene	ND	0.088
Acenaphthylene	ND	0.079
Anthracene	0.014	0.27
Benz(a)anthracene	0.005	0.54
Benzo(a)pyrene	0.011	0.39
Benzo(b)fluoranthene	0.036	0.79
Benzo(g,h,i)perylene	0.017	0.27
Benzo(k)fluoranthene	ND	0.3
Chrysene	0.011	0.93
Dibenz(a,h)anthracene	ND	0.06
Fluoranthene	0.089	0.39
Fluorene	0.0045	0.1
Indeno(1,2,3-cd)pyrene	0.016	0.3
Phenanthrene	0.0075	0.36
Pyrene	0.0079	0.73

LOTT SB-4	Depth 0-2	Depth 2-4
VOCs	ND	ND
Metals		
Lead	0.0266	0.00587
PAHs + SIM		
Anthracene	0.032	0.018
Benz(a)anthracene	0.15	0.11
Benzo(a)pyrene	0.13	0.093
Benzo(b)fluoranthene	0.23	0.25
Benzo(g,h,i)perylene	0.11	0.085
Benzo(k)fluoranthene	0.14	0.061
Chrysene	0.14	0.18
Dibenz(a,h)anthracene	0.027	0.018
Fluoranthene	0.3	0.37
Fluorene	0.013	0.01
Indeno(1,2,3-cd)pyrene	0.1	0.091
Phenanthrene	0.15	0.31
Pyrene	0.23	0.27

LOTT SB-14	Depth 2-4
VOCs	ND
Metals	
Lead	46
PAHs + SIM	
Anthracene	0.028
Benz(a)anthracene	0.07
Benzo(a)pyrene	0.068
Benzo(b)fluoranthene	0.13
Benzo(g,h,i)perylene	0.058
Benzo(k)fluoranthene	0.1
Chrysene	0.095
Dibenz(a,h)anthracene	0.0052
Fluoranthene	0.16
Fluorene	0.0066
Indeno(1,2,3-cd)pyrene	0.043
Naphthalene	0.01
Phenanthrene	0.091
Pyrene	0.14

LOTT SB-11	Depth 0-2	Depth 2-4
VOCs		
2-Butanone	ND	0.072
Acetone	ND	ND
Metals		
Lead	26.5	97.7
PAHs + SIM		
1-Methylnaphthalene	ND	0.036
2-Methylnaphthalene	0.024	0.098
Acenaphthene	0.055	ND
Anthracene	0.093	8.9
Benz(a)anthracene	0.078	[illegible]
Benzo(a)pyrene	0.054	[illegible]
Benzo(b)fluoranthene	0.14	[illegible]
Benzo(g,h,i)perylene	0.078	1.2
Benzo(k)fluoranthene	0.032	1.7
Chrysene	0.076	6.9
Dibenz(a,h)anthracene	0.019	0.32
Fluoranthene	0.3	4.9
Fluorene	0.11	1.8
Indeno(1,2,3-cd)pyrene	0.069	0.25
Naphthalene	ND	0.061
Phenanthrene	0.4	2.8
Pyrene	0.22	8.7

LOTT SB-16	Depth 2-4
VOCs	ND
Metals	
Lead	36.2
PAHs + SIM	
Anthracene	0.064
Benz(a)anthracene	0.064
Benzo(a)pyrene	0.079
Benzo(b)fluoranthene	0.15
Benzo(g,h,i)perylene	0.072
Benzo(k)fluoranthene	0.048
Chrysene	0.082
Dibenz(a,h)anthracene	0.0093
Fluoranthene	0.095
Fluorene	0.0043
Indeno(1,2,3-cd)pyrene	0.059
Phenanthrene	0.03
Pyrene	0.099

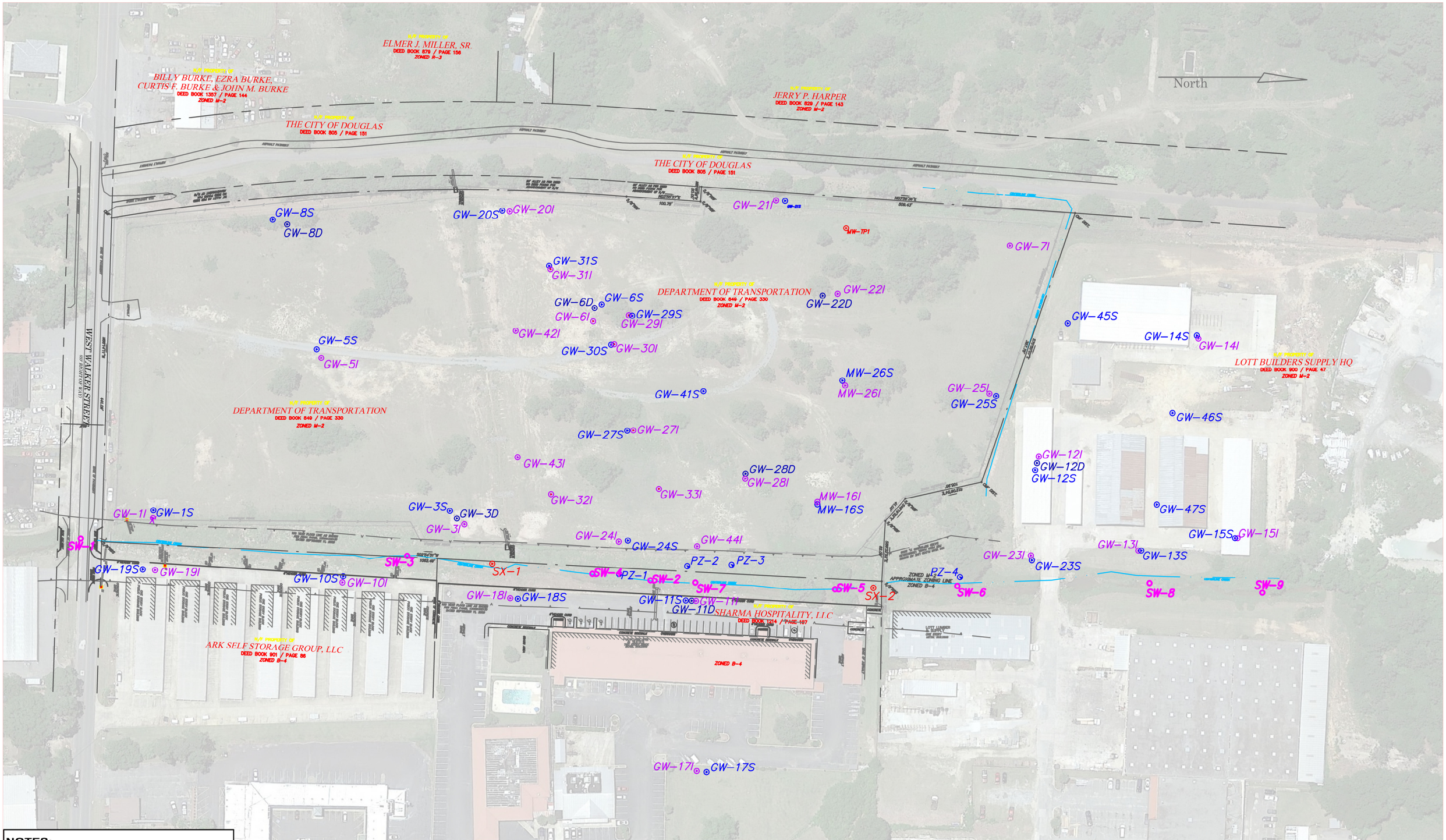
LOTT SB-13	Depth 0-2	Depth 2-4
VOCs	NA	NA
Metals		
Lead	17.3	39.8
PAHs + SIM		
Acenaphthene	ND	0.032
Anthracene	0.051	0.036
Benz(a)anthracene	0.13	0.16
Benzo(a)pyrene	0.11	0.12
Benzo(b)fluoranthene	0.23	0.22
Benzo(g,h,i)perylene	0.083	0.089
Benzo(k)fluoranthene	0.063	0.058
Chrysene	0.12	0.14
Dibenz(a,h)anthracene	0.023	0.024
Fluoranthene	0.26	0.31
Fluorene	0.016	0.017
Indeno(1,2,3-cd)pyrene	0.015	0.015
Phenanthrene	0.12	0.13
Pyrene	0.23	0.27

NOTES:

- DENOTES AREA EXCAVATED AND DITCH BANK RECONSTRUCTED
- APPROXIMATE LOCATION OF THE 2017 SOIL INVESTIGATION
- 2002 SOIL EXCAVATION CONFIRMATION SAMPLING RESULTS
- 5640 DENOTES DETECTION OF VOC/PAH/LEAD
- 5640 DENOTES DETECTION OF PAH/LEAD ABOVE THE NON-RESIDENTIAL RRS
- ND NON-DETECT ABOVE LABORATORY DETECTION LIMIT
- NA NOT ANALYZED
- PROPOSED SUBDIVIDED LOT BOUNDARY

SOIL RESULTS REPORTED IN MG/KG

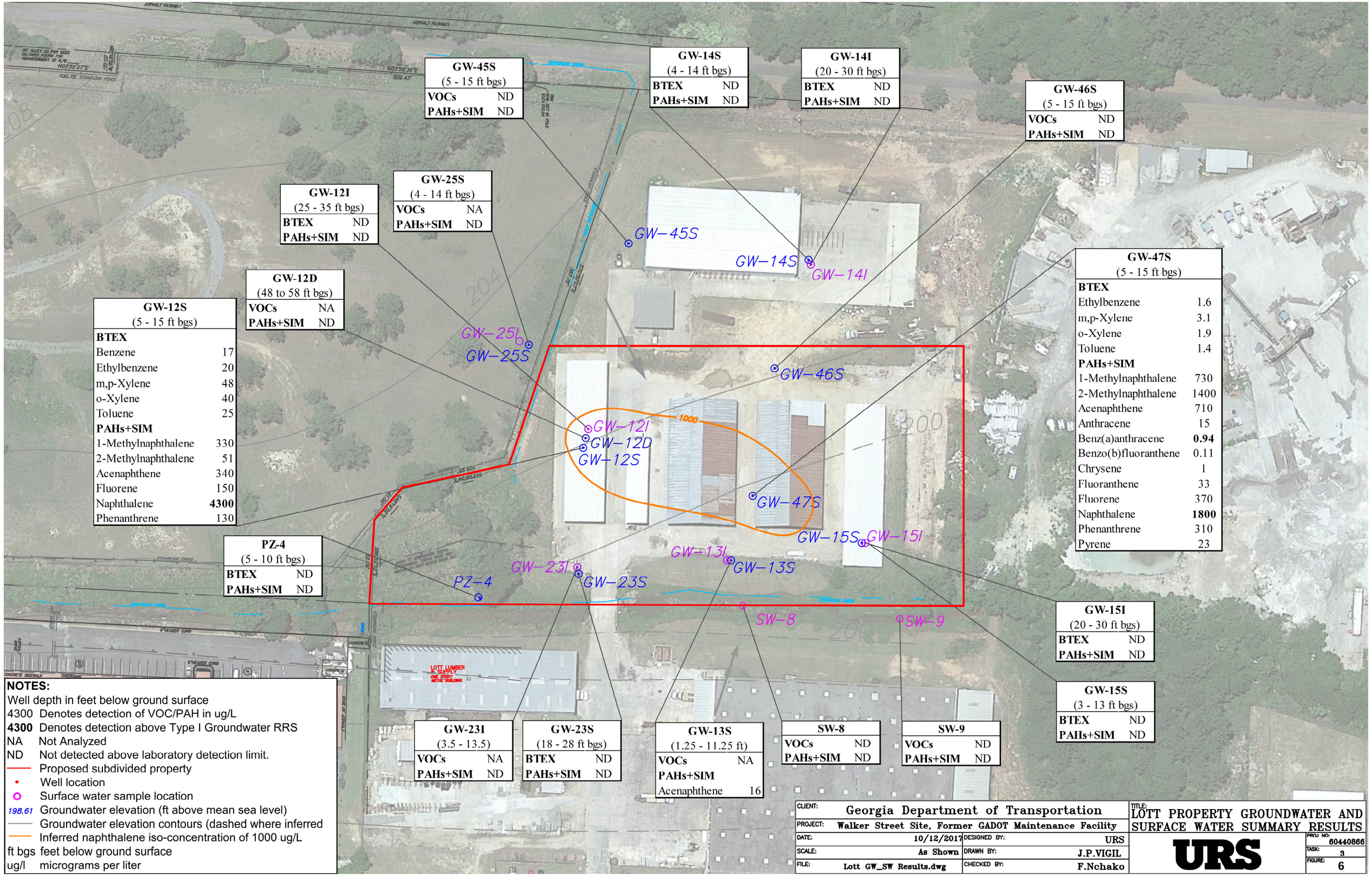
CLIENT:	Georgia Department of Transportation	TITLE: LOTT PROPERTY SOIL INVESTIGATION SUMMARY RESULTS	
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/11/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 3
FILE: Soil Boring Results - Lott.dwg	CHECKED BY: F.Nchako		FIGURE: 4

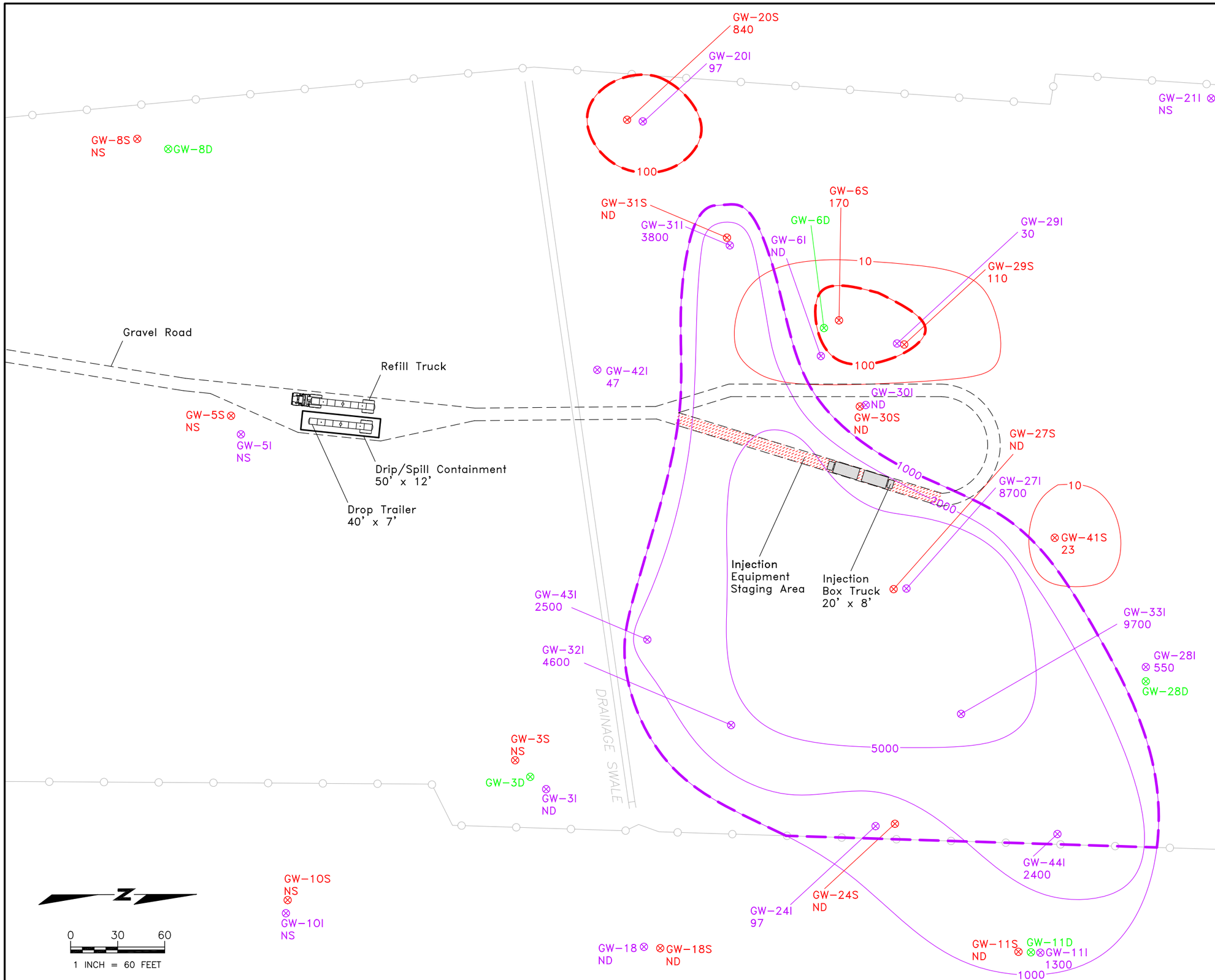


NOTES:

- Shallow well location
- Intermediate well location
- Deep well location
- Surface water sampling location

CLIENT:	Georgia Department of Transportation	TITLE: SITE MAP – MONITORING WELL LOCATIONS	
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	10/16/2017	DESIGNED BY: URS	URS
SCALE:	As Shown	DRAWN BY: J.P.VIGIL	PROJ NO: 60440866
FILE:	Lott GW_SW Results.dwg	CHECKED BY: F.Nchako	TASK: 3
			FIGURE: 5


GW-45S
(5 - 15 ft bgs)
VOCs ND
PAHs+SIM ND
GW-14S
(4 - 14 ft bgs)
BTEX ND
PAHs+SIM ND
GW-14I
(20 - 30 ft bgs)
BTEX ND
PAHs+SIM ND
GW-46S
(5 - 15 ft bgs)
VOCs ND
PAHs+SIM ND
GW-12I
(25 - 35 ft bgs)
BTEX ND
PAHs+SIM ND
GW-25S
(4 - 14 ft bgs)
VOCs NA
PAHs+SIM ND
GW-12D
(48 to 58 ft bgs)
VOCs NA
PAHs+SIM ND
GW-12S
(5 - 15 ft bgs)
BTEX
Benzene 17
Ethylbenzene 20
m,p-Xylene 48
o-Xylene 40
Toluene 25
PAHs+SIM
1-Methylnaphthalene 330
2-Methylnaphthalene 51
Acenaphthene 340
Fluorene 150
Naphthalene 4300
Phenanthrene 130
GW-47S
(5 - 15 ft bgs)
BTEX
Ethylbenzene 1.6
m,p-Xylene 3.1
o-Xylene 1.9
Toluene 1.4
PAHs+SIM
1-Methylnaphthalene 730
2-Methylnaphthalene 1400
Acenaphthene 710
Anthracene 15
Benz(a)anthracene 0.94
Benzo(b)fluoranthene 0.11
Chrysene 1
Fluoranthene 33
Fluorene 370
Naphthalene 1800
Phenanthrene 310
Pyrene 23
PZ-4
(5 - 10 ft bgs)
BTEX ND
PAHs+SIM ND
GW-15I
(20 - 30 ft bgs)
BTEX ND
PAHs+SIM ND
GW-15S
(3 - 13 ft bgs)
BTEX ND
PAHs+SIM ND
GW-23I
(3.5 - 13.5)
VOCs NA
PAHs+SIM ND
GW-23S
(18 - 28 ft bgs)
BTEX ND
PAHs+SIM ND
GW-13S
(1.25 - 11.25 ft)
VOCs NA
PAHs+SIM
Acenaphthene 16
SW-8
VOCs ND
PAHs+SIM ND
SW-9
VOCs ND
PAHs+SIM ND
GW-45S
GW-14S
GW-14I
GW-25I
GW-25S
GW-46S
GW-12I
GW-12D
GW-12S
GW-47S
GW-15S
GW-15I
GW-13I
GW-13S
GW-23I
GW-23S
PZ-4
SW-8
SW-9
1000
204
200
NOTES:
Well depth in feet below ground surface
4300 Denotes detection of VOC/PAH in ug/L
4300 Denotes detection above Type I Groundwater RRS
NA Not Analyzed
ND Not detected above laboratory detection limit.
Proposed subdivided property
Well location
Surface water sample location
198.61 Groundwater elevation (ft above mean sea level)
Groundwater elevation contours (dashed where inferred
Inferred naphthalene iso-concentration of 1000 ug/L
ft bgs feet below ground surface
ug/l micrograms per liter
CLIENT: Georgia Department of Transportation
PROJECT: Walker Street Site, Former GADOT Maintenance Facility
DATE: 10/12/2017
SCALE: As Shown
FILE: Lott GW_SW Results.dwg
DESIGNED BY: URS
DRAWN BY: J.P.VIGIL
CHECKED BY: F.Nchako
TITLE: LOTT PROPERTY GROUNDWATER AND SURFACE WATER SUMMARY RESULTS
URS
PROJ NO: 60440866
TASK: 3
FIGURE: 6



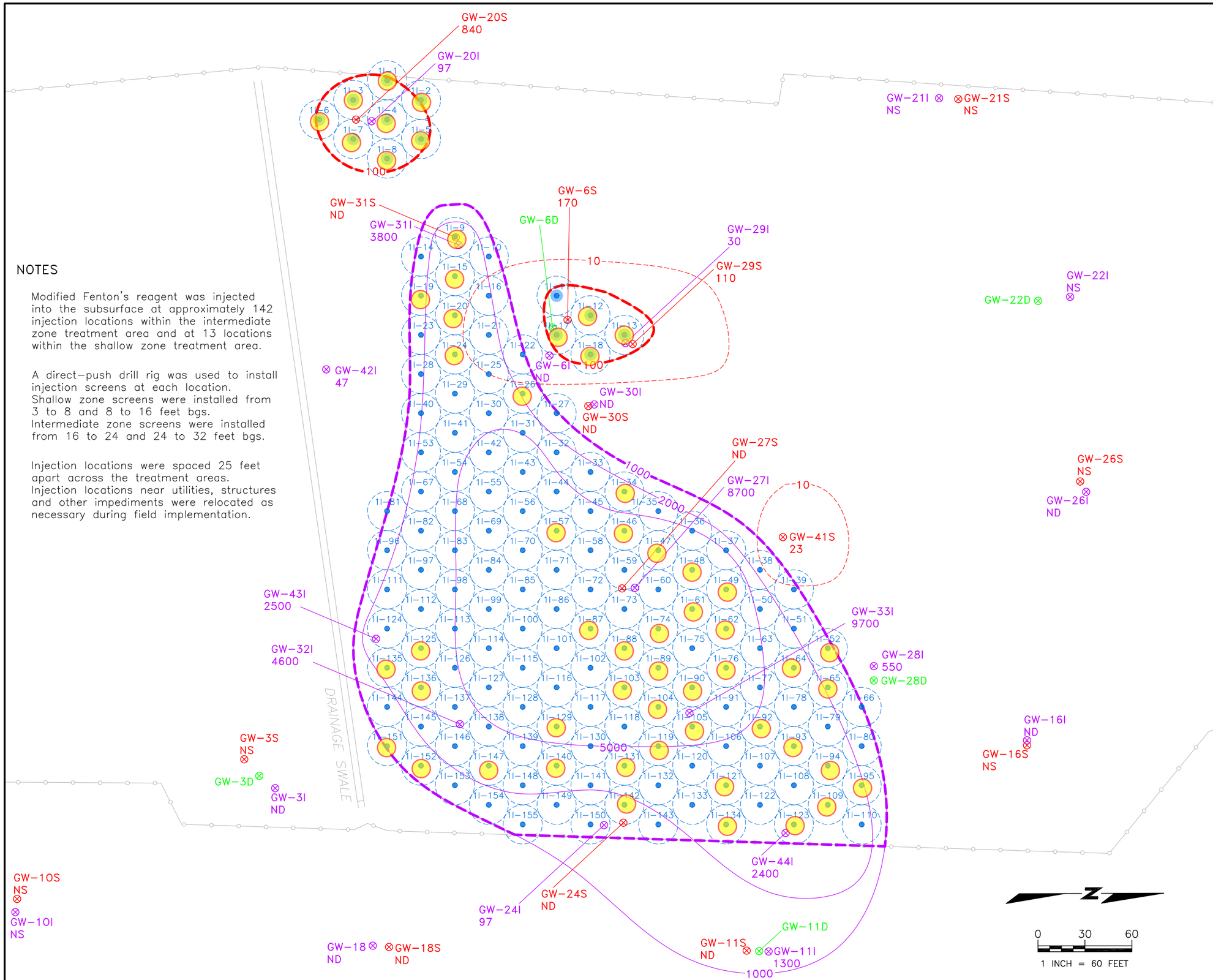
LEGEND

- Existing Building
- Fence
- Approximate Site Boundary
- Shallow Zone Monitoring Well
- Intermediate Zone Monitoring Well
- Deep Zone Monitoring Well
- Shallow Zone Naphthalene Isocontour
- Intermediate Zone Naphthalene Isocontour
- 220 Naphthalene Concentration (µg/L)
- Shallow Zone Treatment Area
- Intermediate Zone Treatment Area

In-Situ Oxidative Technologies, Inc.
ISOTEC
6452 Fig Street, Suite C
Arvada, Colorado 80004
www.insituoxidation.com
(303) 843-9079

SITE MAP
ISCO REMEDIATION PROGRAM
Walker Street Site
Former GDOT Maintenance Facility
Douglas, Georgia

DRAWN BY: KH	DATE: 1/21/2016	FIGURE 7
CHECKED BY: SH	PROJECT NO: 901114	



NOTES

Modified Fenton's reagent was injected into the subsurface at approximately 142 injection locations within the intermediate zone treatment area and at 13 locations within the shallow zone treatment area.

A direct-push drill rig was used to install injection screens at each location. Shallow zone screens were installed from 3 to 8 and 8 to 16 feet bgs. Intermediate zone screens were installed from 16 to 24 and 24 to 32 feet bgs.

Injection locations were spaced 25 feet apart across the treatment areas. Injection locations near utilities, structures and other impediments were relocated as necessary during field implementation.

LEGEND

- Existing Building
- Fence
- Approximate Site Boundary
- Shallow Zone Monitoring Well
- Intermediate Zone Monitoring Well
- Deep Zone Monitoring Well
- Shallow Zone Naphthalene Isocontour
- Intermediate Zone Naphthalene Isocontour
- 220 Naphthalene Concentration (µg/L)
- Shallow Zone Treatment Area
- Intermediate Zone Treatment Area
- First Event Location ("A" and "B" interval screens)
- First Event Location ("C" and "D" interval screens)
- Radius of Influence (12.5 feet)
- Locations Surfacing Occurred

Injection Screen Intervals

"A"	Shallow Zone – 3 to 8 feet bgs
"B"	Shallow Zone – 8 to 16 feet bgs
"C"	Intermediate Zone – 16 to 24 feet bgs
"D"	Intermediate Zone – 24 to 32 feet bgs

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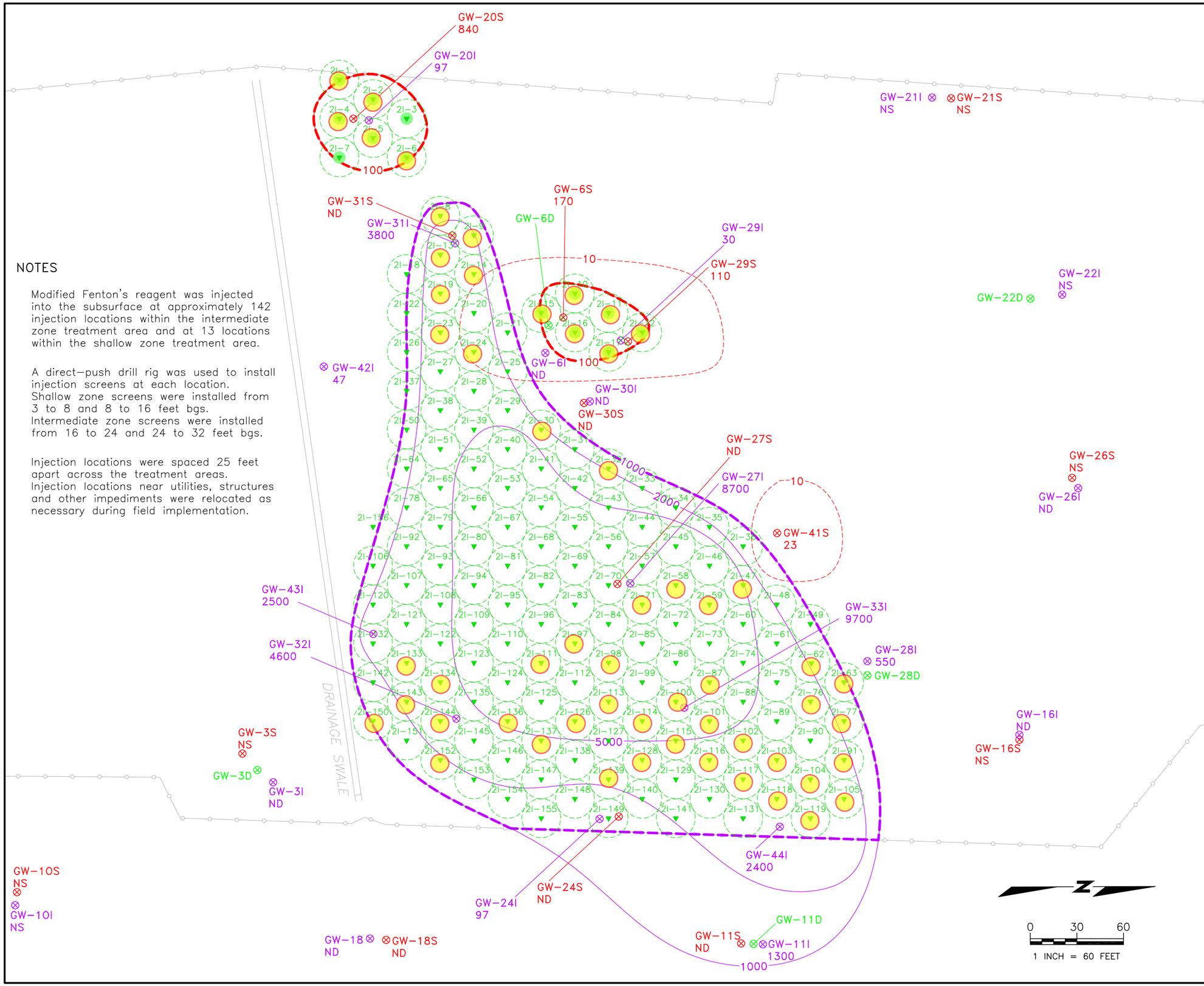
FIRST EVENT INJECTION LOCATIONS
ISCO REMEDIATION PROGRAM
Walker Street Site
Former GDOT Maintenance Facility
Douglas, Georgia

DRAWN BY: KH	DATE: 3/6/2016	FIGURE 8
CHECKED BY: SH	PROJECT NO: 901114	



NOTES

Modified Fenton's reagent was injected into the subsurface at approximately 142 injection locations within the intermediate zone treatment area and at 13 locations within the shallow zone treatment area.

A direct-push drill rig was used to install injection screens at each location. Shallow zone screens were installed from 3 to 8 and 8 to 16 feet bgs. Intermediate zone screens were installed from 16 to 24 and 24 to 32 feet bgs.

Injection locations were spaced 25 feet apart across the treatment areas. Injection locations near utilities, structures and other impediments were relocated as necessary during field implementation.

LEGEND

- Existing Building
- Fence
- Approximate Site Boundary
- GW-6S — Shallow Zone Monitoring Well
- GW-6I — Intermediate Zone Monitoring Well
- GW-6D — Deep Zone Monitoring Well
- Shallow Zone Naphthalene Isocontour
- Intermediate Zone Naphthalene Isocontour
- 220 — Naphthalene Concentration (µg/L)
- Shallow Zone Treatment Area
- Intermediate Zone Treatment Area
- Second Event Location ("A" and "B" interval screens)
- Second Event Location ("C" and "D" interval screens)
- Radius of Influence (12.5 feet)
- Locations Surfacing Occurred

Injection Screen Intervals

"A"	Shallow Zone – 3 to 8 feet bgs
"B"	Shallow Zone – 8 to 16 feet bgs
"C"	Intermediate Zone – 16 to 24 feet bgs
"D"	Intermediate Zone – 24 to 32 feet bgs

In-Situ Oxidative Technologies, Inc.
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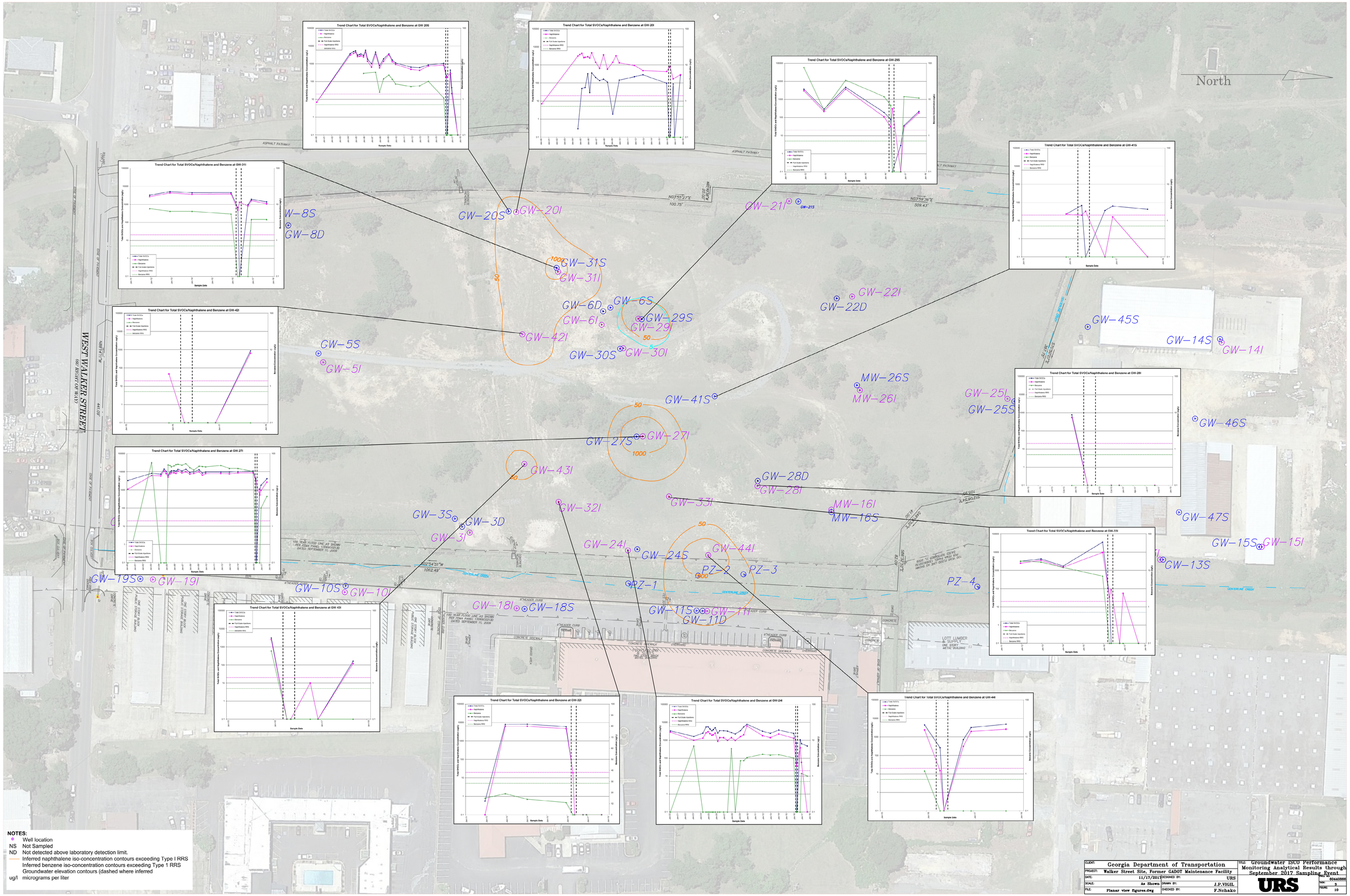
SECOND EVENT INJECTION LOCATIONS
ISCO REMEDIATION PROGRAM
Walker Street Site
Former GDOT Maintenance Facility
Douglas, Georgia

DRAWN BY: KH	DATE: 5/17/2016	FIGURE 9
CHECKED BY: SH	PROJECT NO: 901114	



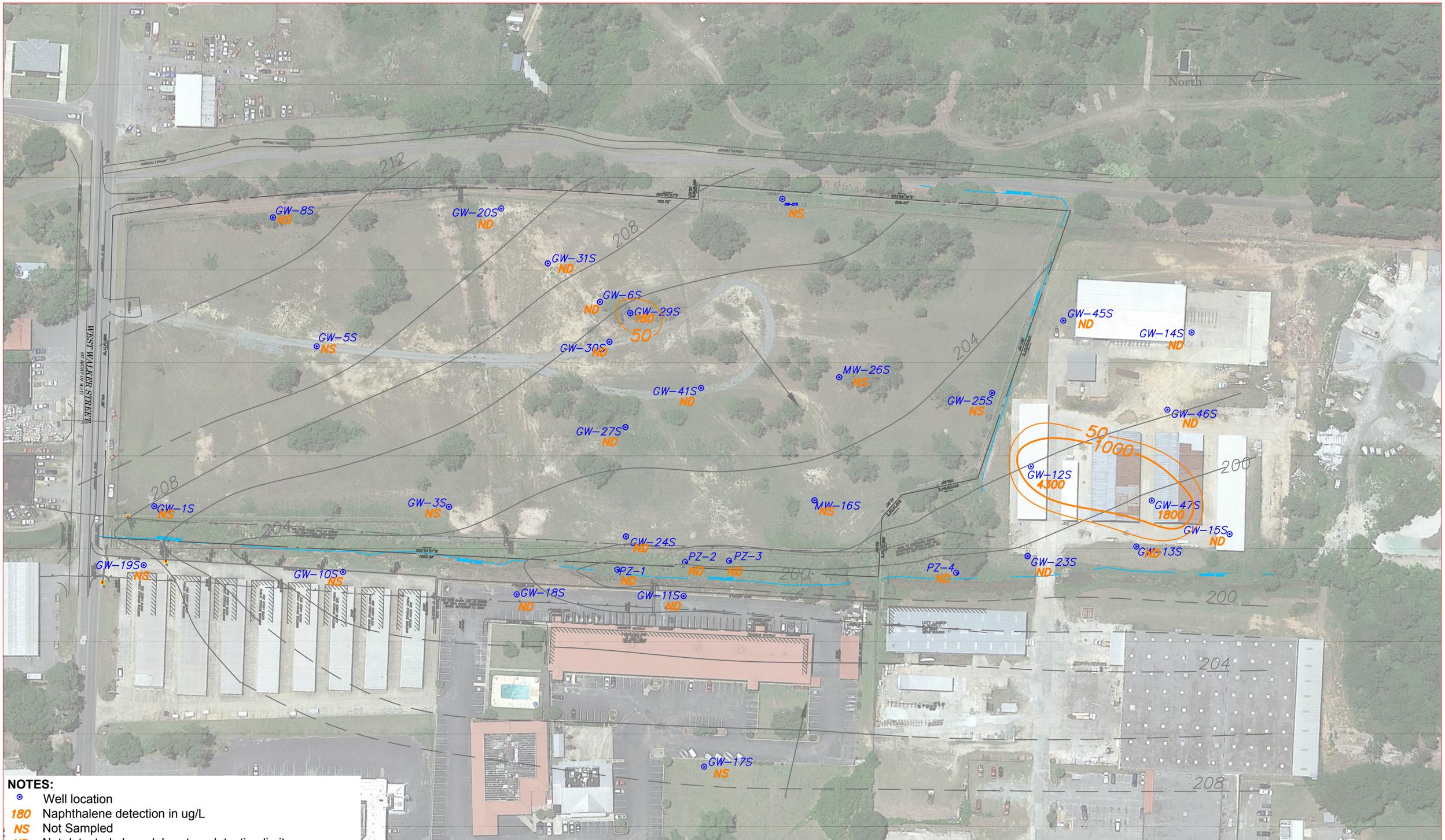
NOTES:

- Well location
- NS Not Sampled
- ND Not detected above laboratory detection limit.
- Inferred naphthalene iso-concentration contours exceeding Type I RRS
- Inferred benzene iso-concentration contours exceeding Type 1 RRS
- Groundwater elevation contours (dashed where inferred
- ug/l micrograms per liter

CLIENT:	Georgia Department of Transportation	TITLE:	Groundwater ISCO Performance Monitoring Analytical Results through September 2017 Sampling Event
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	11/17/2017	DESIGNED BY:	URS
SCALE:	As Shown	DRAWN BY:	J.P.VIGIL
FILE:	Planar view figures.dwg	CHECKED BY:	F.Nchako

URS

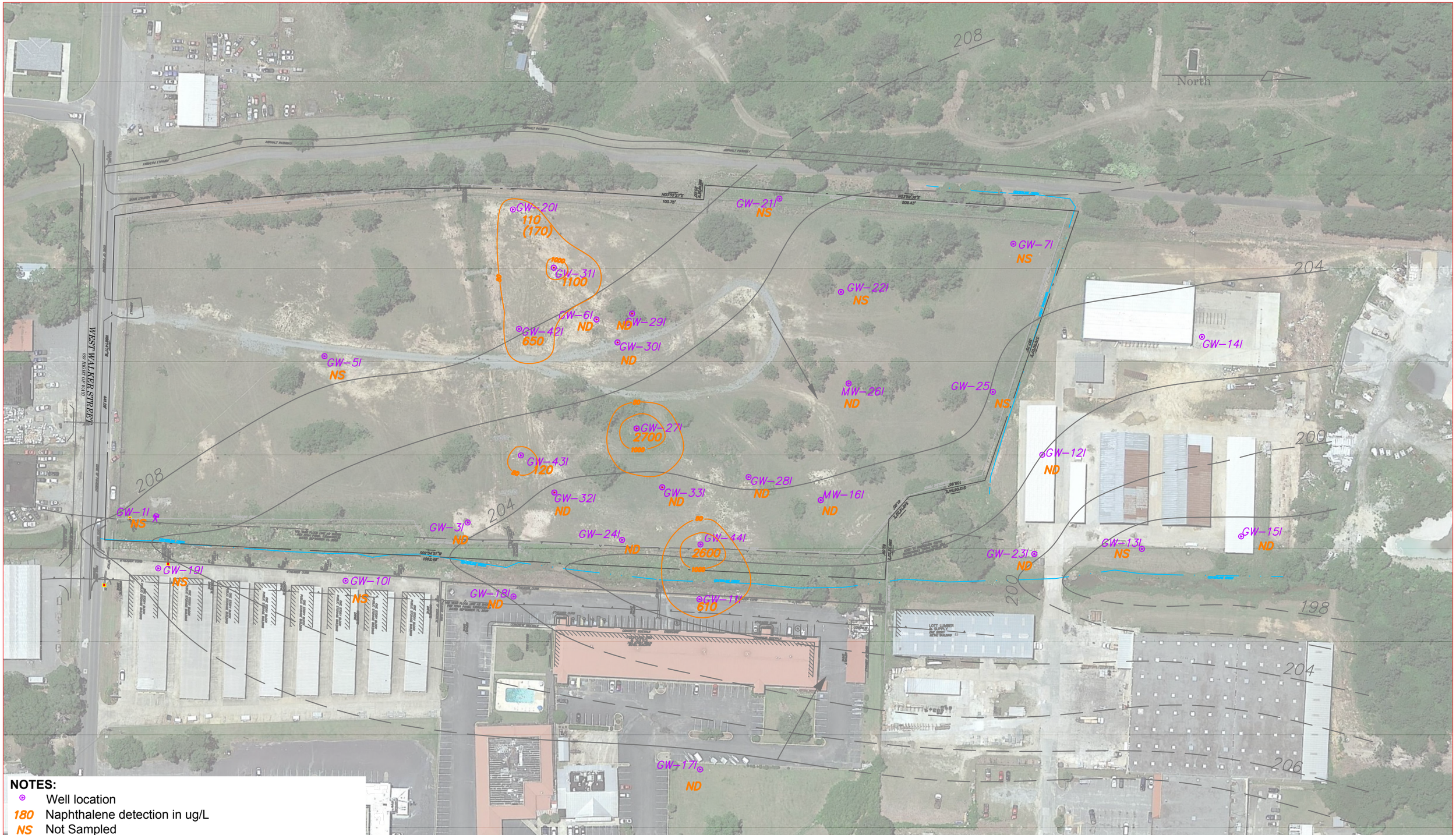
PROJ. NO. 60440566
DWG. 5
FIGURE 10



NOTES:

- Well location
- 180 Naphthalene detection in ug/L
- NS Not Sampled
- ND Not detected above laboratory detection limit.
- Inferred naphthalene iso-concentration contours exceeding Type I RRS
- Groundwater elevation contours (dashed where inferred
- ug/l micrograms per liter

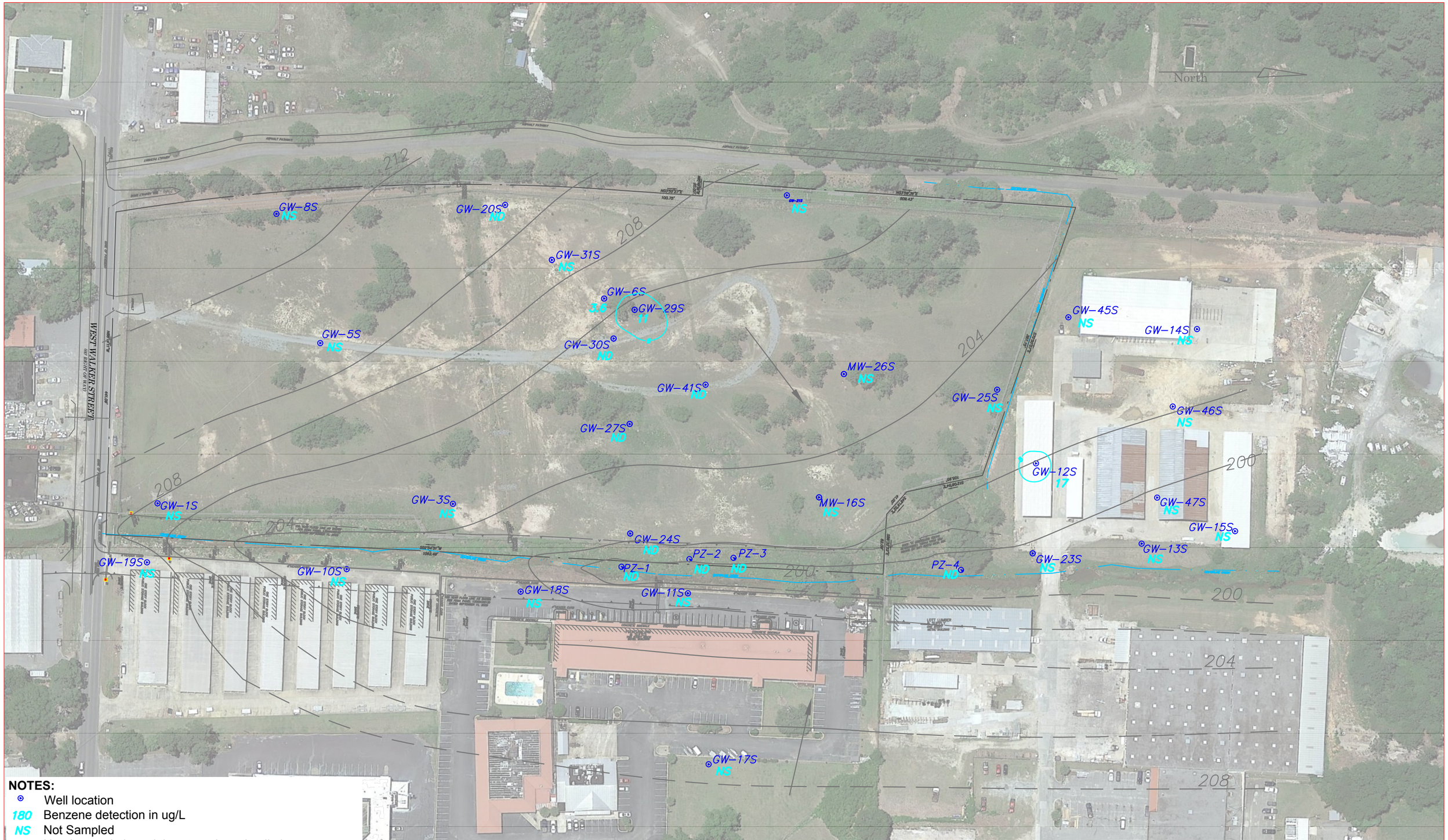
CLIENT:	Georgia Department of Transportation	TITLE: September 2017 Iso-Concentration Map for Naphthalene in Shallow Zone Groundwater	
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/16/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 5
FILE: Planar view Figures.dwg	CHECKED BY: F.Nchako		FIGURE: 11



NOTES:

- ⊙ Well location
- 180 Naphthalene detection in ug/L
- NS Not Sampled
- ND Not detected above laboratory detection limit.
- —— Inferred naphthalene iso-concentration contours exceeding Type I RRS
- —— Groundwater elevation contours (dashed where inferred
- ug/l micrograms per liter

CLIENT:	Georgia Department of Transportation	TITLE: September 2017 Iso-Concentration Map for Naphthalene in Intermediate Zone Groundwater	
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/16/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 5
FILE: Lott GW_SW Results.dwg	CHECKED BY: F.Nchako		FIGURE: 12



NOTES:

- ⊙ Well location
- 180 Benzene detection in ug/L
- NS Not Sampled
- ND Not detected above laboratory detection limit.
- Inferred benzene iso-concentration contours exceeding Type I RRS
- Groundwater elevation contours (dashed where inferred
- ug/l Micrograms per liter

CLIENT:	Georgia Department of Transportation	TITLE:	September 2017 Iso-Concentration Map for Benzene in Shallow Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	10/16/2017	DESIGNED BY:	URS
SCALE:	As Shown	DRAWN BY:	J.P.VIGIL
FILE:	Planar view Figures.dwg	CHECKED BY:	F.Nchako

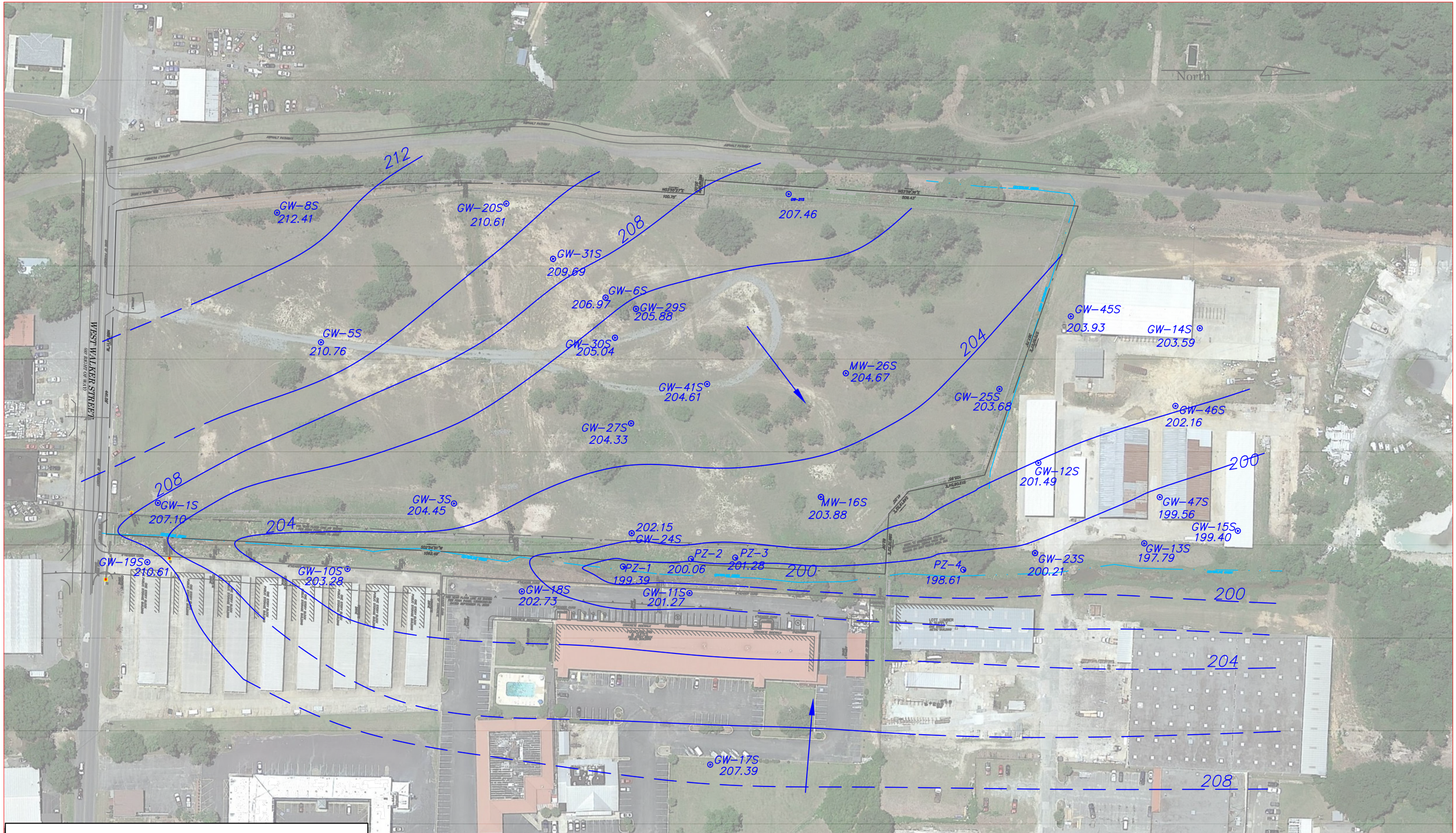
URS

PROJ NO:	60440866
TASK:	5
FIGURE:	13

NOTES:

- ⊙ Well location
- 180 Benzene detection in ug/L
- NS Not Sampled
- ND Not detected above laboratory detection limit.
- Inferred benzene iso-concentration contours exceeding Type I RRS
- Groundwater elevation contours (dashed where inferred
- ug/l Micrograms per liter

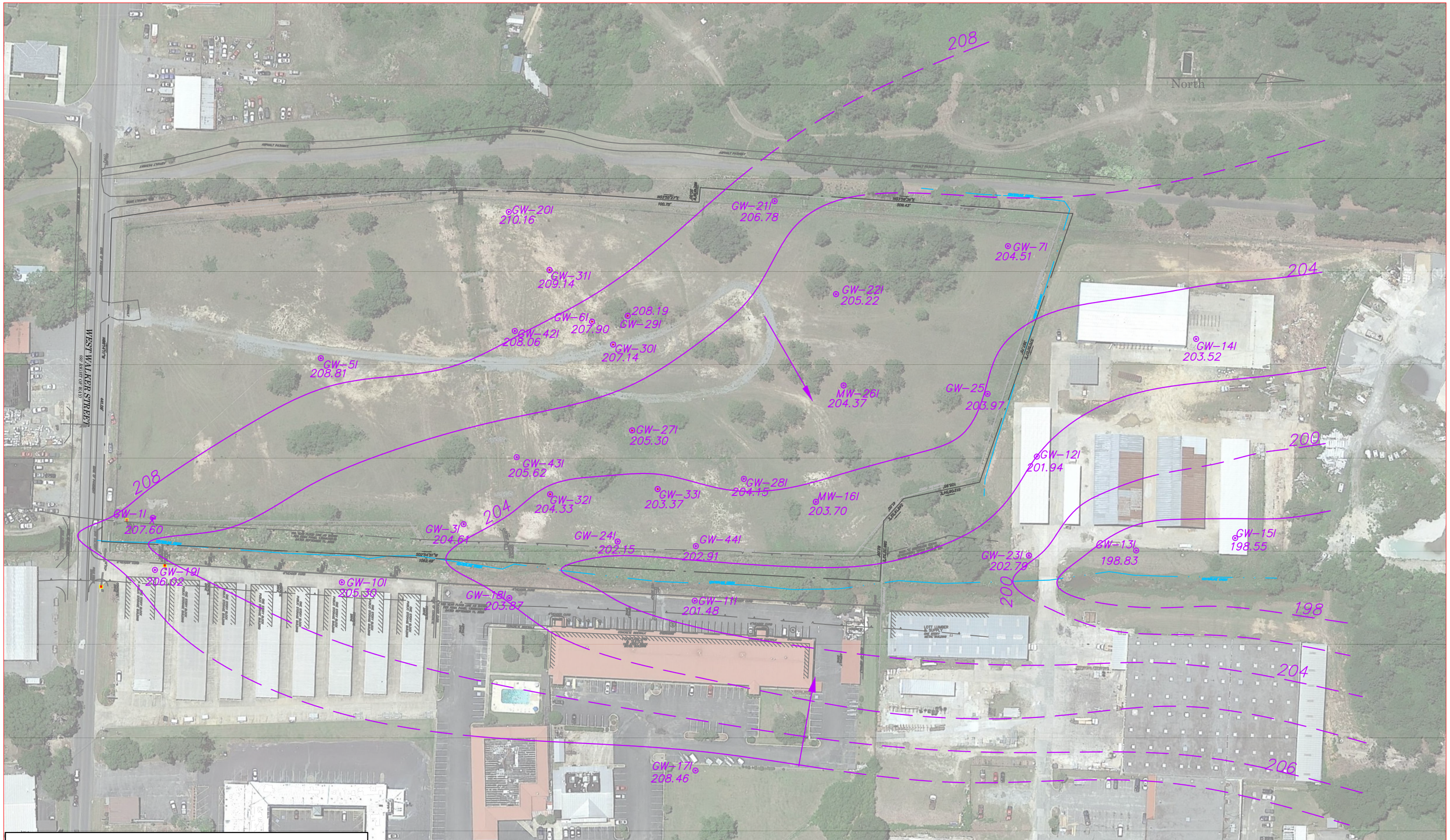
CLIENT:	Georgia Department of Transportation	TITLE:	September 2017 Iso-Concentration Map for Benzene in Intermediate Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/16/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 3
FILE: Lott GW_SW Results.dwg	CHECKED BY: F.Nchako		FIGURE: 14



NOTES:

- ⊙ Well location
- 203.28 Groundwater elevation (feet above mean sea level)
- —— Groundwater elevation contour (dashed where inferred)
- ←—— Direction of groundwater flow

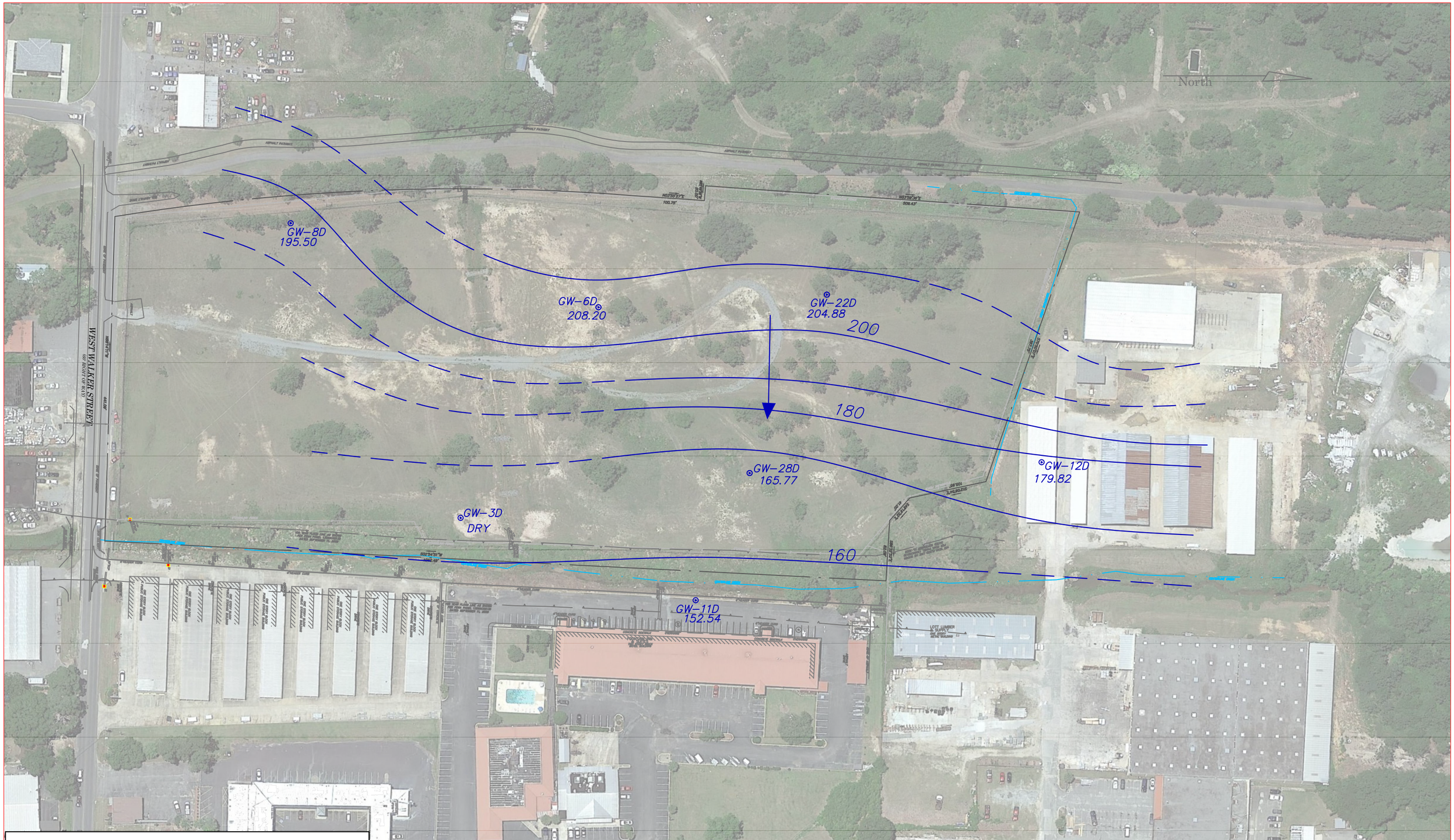
CLIENT:	Georgia Department of Transportation	TITLE:	September 2017 – Shallow Water Table Elevation and Contour Map
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/16/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 5
FILE: Planar view Figures.dwg	CHECKED BY: F.Nchako		FIGURE: 15



NOTES:

- ⊙ Well location
- 208.81 Groundwater elevation (feet above mean sea level)
- —— Groundwater elevation contour (dashed where inferred)
- ←—— Direction of groundwater flow

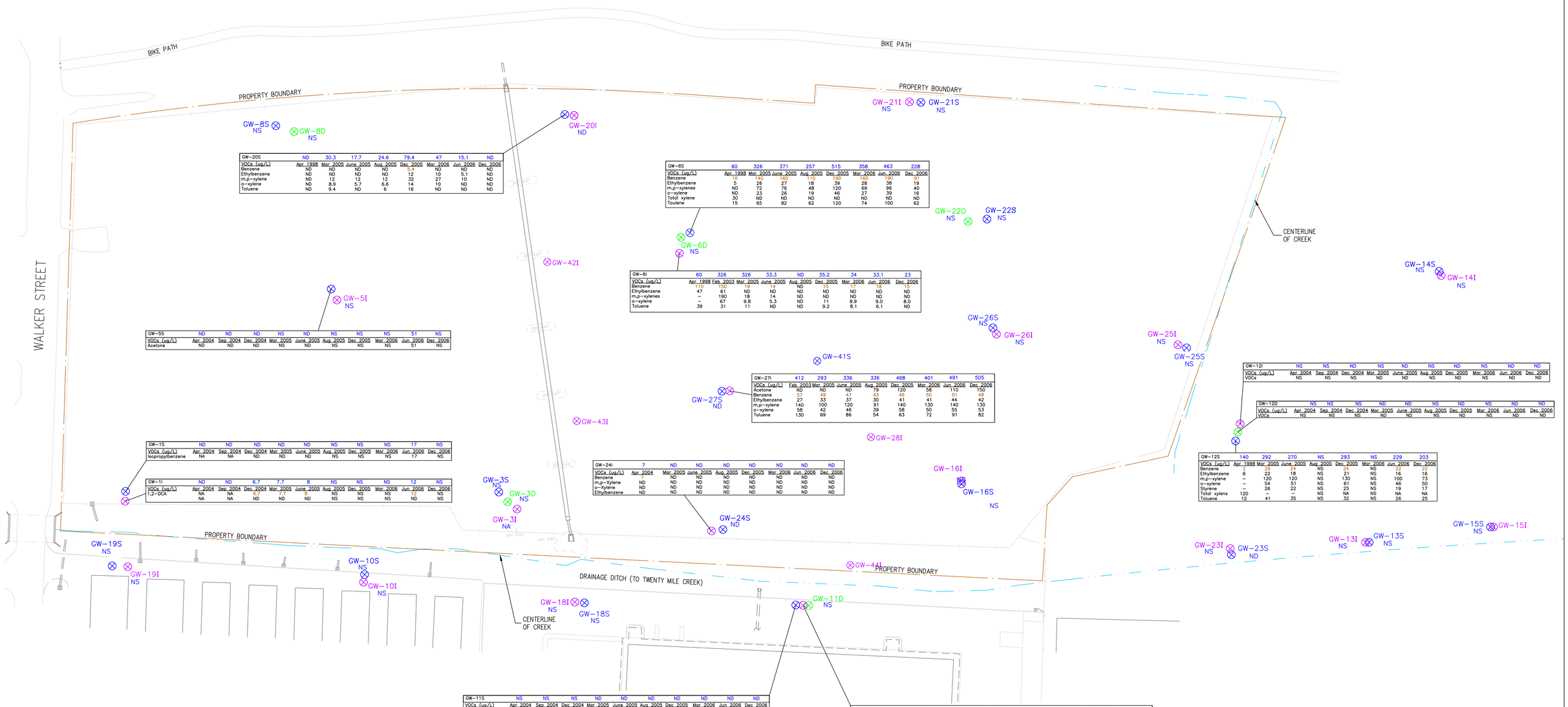
CLIENT:	Georgia Department of Transportation	TITLE: September 2017 – Intermediate Water Table Elevation and Contour Map	
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/16/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 5
FILE: Planar view figures.dwg	CHECKED BY: F.Nchako		FIGURE: 16



NOTES:

- ⊙ Well location
- 208.81 Groundwater elevation (feet above mean sea level)
- —— Groundwater elevation contour (dashed where inferred)
- ←—— Direction of groundwater flow

CLIENT:	Georgia Department of Transportation	TITLE:	September 2017 – Deep Zone Groundwater Elevation and Contour Map
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: 10/19/2017	DESIGNED BY: URS	URS	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P.VIGIL		TASK: 3
FILE: Planar view Figures.dwg	CHECKED BY: F.Nchako		FIGURE: 17



GW-20S	ND	30.3	17.7	24.6	79.4	47	15.1	ND
VOCs (ug/L)	Apr 1998	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	ND	ND	ND	ND	5.4	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	12	10	5.1	ND
m,p-xylene	ND	12	12	12	32	27	10	ND
o-xylene	ND	8.9	5.7	6.6	14	10	ND	ND
Toluene	ND	9.4	ND	6	16	ND	ND	ND

GW-6S	60	326	371	257	515	358	463	228
VOCs (ug/L)	Apr 1998	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	10	140	160	110	190	160	190	91
Ethylbenzene	5	26	27	18	39	28	38	19
m,p-xylenes	ND	72	76	48	120	69	96	40
o-xylene	ND	23	26	19	46	27	39	16
Total xylene	30	ND	ND	ND	ND	ND	ND	ND
Toulene	15	65	82	62	120	74	100	62

GW-6I	60	326	326	33.3	ND	35.2	34	33.1	23
VOCs (ug/L)	Apr 1998	Feb 2003	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	110	150	19	14	ND	13	17	18	15
Ethylbenzene	47	61	ND	ND	ND	ND	ND	ND	ND
m,p-xylenes	–	190	18	14	ND	ND	ND	ND	ND
o-xylene	–	67	9.8	5.3	ND	11	8.9	9.0	8.0
Toluene	39	31	11	ND	ND	9.2	8.1	6.1	ND

GW-5S	ND	ND	ND	NS	ND	NS	NS	NS	51	NS
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Acetone	ND	ND	ND	NS	ND	NS	NS	NS	51	NS

GW-27I	412	293	336	336	468	401	491	505
VOCs (ug/L)	Feb 2003	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Acetone	ND	ND	ND	79	120	58	110	150
Benzene	57	49	47	43	46	50	51	48
Ethylbenzene	27	33	37	30	41	41	44	42
m,p-xylene	140	100	120	91	140	130	140	130
o-xylene	58	42	46	39	58	50	55	53
Toluene	130	69	86	54	63	72	91	82

GW-12I	NS	NS	ND	NS	ND	NS	ND	NS	ND	ND
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
VOCs	NS	NS	NS	ND	ND	NS	ND	NS	ND	ND

GW-12D	NS	NS	NS	ND	ND	NS	ND	NS	ND	ND
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
VOCs	NS	NS	NS	ND	ND	NS	ND	NS	ND	ND

GW-1S	ND	ND	ND	ND	ND	NS	NS	NS	17	NS
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Isopropylbenzene	NA	NA	ND	ND	ND	NS	NS	NS	17	NS

GW-1I	ND	ND	6.7	7.7	8	NS	NS	NS	12	NS
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1,2-DCA	NA	NA	6.7	7.7	8	NS	NS	NS	12	NS
	NA	NA	ND	ND	ND	NS	NS	NS	ND	NS

GW-24I	7	ND	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Apr 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	–	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND

GW-12S	140	292	270	NS	293	NS	229	203
VOCs (ug/L)	Apr 1998	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	2	29	24	NS	24	NS	22	22
Ethylbenzene	6	22	18	NS	21	NS	16	16
m,p-xylene	–	120	120	NS	130	NS	100	73
o-xylene	–	54	51	NS	61	NS	46	50
Styrene	–	26	22	NS	25	NS	19	17
Total xylens	120	–	–	NS	NA	NS	NA	NA
Toluene	12	41	35	NS	32	NS	26	25

GW-11S	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Non-Detect	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND

GW-11I	21	35	28.4	30.4	30.6	36	35	33.9	26.9
VOCs (ug/L)	Apr 1998	Feb 2003	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzene	21	23	22	21	22	24	24	25	19
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	–	12	6.4	9.4	8.6	12	11	8.9	7.9
m,p-xylene	NS	NS	NS	NS	NS	NS	NS	NS	NS

LEGEND

- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 6.1 = CONCENTRATION IN ug/L
- 401 = TOTAL SVOC CONCENTRATION IN ug/L
- 20 ug/L = DETECTION ABOVE THE TYPE 1 RRS
- ND = NON-DETECT
- NS = NOT SAMPLED

GA HSRA TYPE 1 RRS

Compound (VOCs)		
Acetone	4,000	ug/L
Benzene	5	ug/L
Ethylbenzene	700	ug/L
Total xylenes	10,000	ug/L
Toluene	1,000	ug/L
1,2-DCA	5	ug/L

SCALE IN FEET

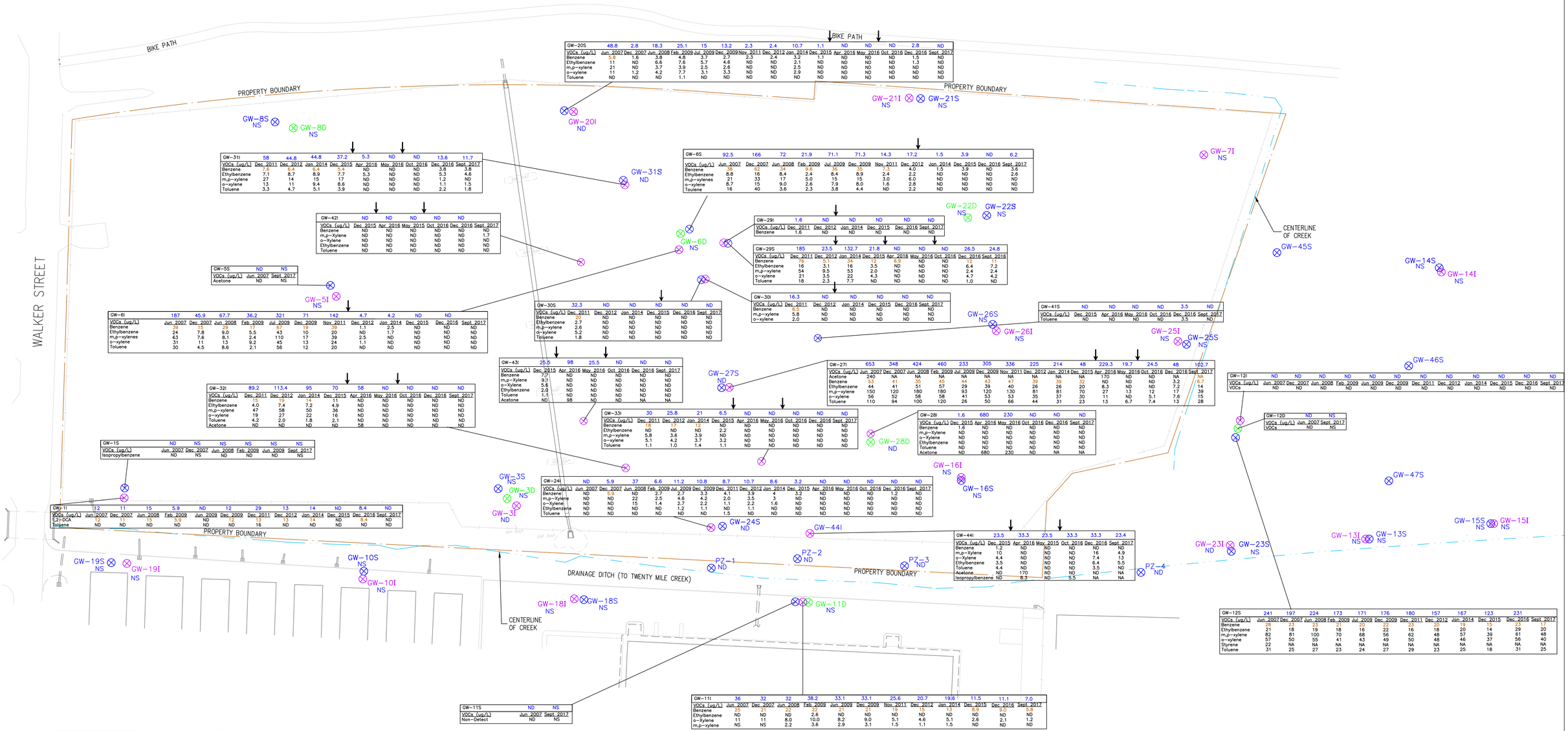
0 50 100

N

CLIENT:	Georgia Department of Transportation	TITLE:	Historical VOCs Analytical Results in Groundwater (April 1998 to December 2006)
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	January 2017	DESIGNED BY:	AECOM
SCALE:	As Shown	DRAWN BY:	B.T.
FILE:	FIG 13-VOCs Concentrations1.dwg	CHECKED BY:	J.P. Vigil

AECOM

PROJ NO: 60440866
TASK: 4
FIGURE: 18a



GW-20S	48.8	2.8	18.3	25.1	15	13.2	2.3	2.4	10.7	1.1	ND	ND	ND	2.8	ND
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	5.8	1.6	3.8	4.8	3.7	2.7	2.3	2.4	3.2	1.1	ND	ND	ND	1.5	ND
Ethylbenzene	11	ND	6.6	7.6	5.7	4.6	ND	ND	2.1	ND	ND	ND	ND	1.3	ND
m,p-xylene	21	ND	3.7	3.9	2.5	2.6	ND	ND	2.5	ND	ND	ND	ND	ND	ND
o-xylene	11	1.2	4.2	7.7	3.1	3.3	ND	ND	2.9	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-31I	58	44.8	44.8	37.2	5.3	ND	ND	13.6	11.7
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	7.6	6.4	6.4	5.4	ND	ND	ND	3.8	3.8
Ethylbenzene	7.1	8.7	8.9	7.7	5.3	ND	ND	5.3	4.6
m,p-xylene	27	14	15	17	ND	ND	ND	1.2	ND
o-xylene	13	11	9.4	8.6	ND	ND	ND	1.1	1.5
Toluene	3.3	4.7	5.1	3.9	ND	ND	ND	2.2	1.8

GW-42I	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2015	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	1.7
o-Xylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND

GW-5S	ND	NS
VOCs (ug/L)	Jun. 2007	Sept. 2017
Acetone	ND	NS

GW-6I	187	45.9	67.7	36.2	321	71	142	4.7	4.2	ND	ND
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	39	15	29	17	67	19	39	1.1	2.5	ND	ND	ND
Ethylbenzene	24	7.8	9.0	5.5	43	10	20	ND	1.7	ND	ND	ND
m,p-xylenes	63	7.6	8.1	2.4	110	17	39	2.5	ND	ND	ND	ND
o-xylene	31	11	13	9.2	45	13	24	1.1	ND	ND	ND	ND
Toluene	30	4.5	8.6	2.1	56	12	20	ND	ND	ND	ND	ND

GW-32I	89.2	113.4	95	70	58	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	12	19	14	11	ND	ND	ND	ND	ND
Ethylbenzene	4.0	7.4	7.2	4.9	ND	ND	ND	ND	ND
m,p-xylene	47	58	50	36	ND	ND	ND	ND	ND
o-xylene	19	27	22	16	ND	ND	ND	ND	ND
Toluene	4.2	2.0	1.8	2.1	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	58	ND	ND	ND	ND

GW-1S	ND	NS	NS	NS	NS
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jun. 2009	Sept. 2017
Isopropylbenzene	ND	NS	ND	ND	ND	NS

GW-1I	12	11	15	5.9	ND	12	29	13	14	ND	8.4	ND
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jun. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
1,2-DCA	12	11	15	5.9	ND	12	13	13	14	ND	8.4	ND
Toluene	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND

GW-6S	92.5	166	72	21.9	71.1	71.3	14.3	17.2	1.5	3.9	ND	6.2
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	38	62	34	9.6	36	35	7.3	4.0	1.5	3.9	ND	3.6
Ethylbenzene	8.8	16	8.4	2.4	8.4	8.9	2.4	2.2	ND	ND	ND	2.6
m,p-xylenes	21	33	17	5.0	15	15	3.0	6.0	ND	ND	ND	ND
o-xylene	8.7	15	9.0	2.6	7.9	8.0	1.6	2.8	ND	ND	ND	ND
Toulene	16	40	3.6	2.3	3.8	4.4	ND	2.2	ND	ND	ND	ND

GW-29I	1.6	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	1.6	ND	ND	ND	ND	ND

GW-29S	185	23.5	132.7	21.8	ND	ND	ND	26.5	24.8
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2016
Benzene	78	5.1	34	12	6.9	ND	ND	12	11
Ethylbenzene	16	3.1	16	3.5	ND	ND	ND	6.4	7.2
m,p-xylene	54	9.5	53	2.0	ND	ND	ND	2.4	2.4
o-xylene	21	3.5	22	4.3	ND	ND	ND	4.7	4.2
Toluene	18	2.3	7.7	ND	ND	ND	ND	1.0	ND

GW-30I	16.3	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	8.5	ND	ND	ND	ND	ND
m,p-xylene	5.8	ND	ND	ND	ND	ND
o-xylene	2.0	ND	ND	ND	ND	ND

GW-30S	32.3	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	20	ND	ND	ND	ND	ND
Ethylbenzene	2.7	ND	ND	ND	ND	ND
m,p-xylene	2.6	ND	ND	ND	ND	ND
o-xylene	5.2	ND	ND	ND	ND	ND
Toluene	1.8	ND	ND	ND	ND	ND

GW-41S	ND	ND	ND	ND	3.5	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Toluene	ND	ND	ND	ND	3.5	ND

GW-43I	25.5	98	25.5	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	7.7	ND	ND	ND	ND	ND
m,p-Xylene	9.1	ND	ND	ND	ND	ND
o-Xylene	5.6	ND	ND	ND	ND	ND
Ethylbenzene	2.0	ND	ND	ND	ND	ND
Toluene	1.1	ND	ND	ND	ND	ND
Acetone	ND	98	ND	ND	NA	NA

GW-27I	653	348	424	460	233	305	336	225	214	48	229.3	19.7	24.5	48	102.7
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Acetone	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	ND	ND	NA	NA
Benzene	53	41	35	45	44	43	47	39	39	32	ND	ND	ND	3.2	6.7
Ethylbenzene	44	41	51	57	29	39	40	26	26	20	8.3	ND	ND	7.2	14
m,p-xylene	150	120	180	180	93	120	130	81	81	70	27	1.3	12	17	39
o-xylene	56	52	58	58	41	53	53	35	37	30	11	ND	5.1	7.6	15
Toluene	110	94	100	120	26	50	66	44	31	23	13	6.7	7.4	13	28

GW-12I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jun. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
VOCs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-12D	ND	NS
VOCs (ug/L)	Jun. 2007	Sept. 2017
VOCs	ND	NS

GW-33I	30	25.8	21	6.5	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	18	17	12	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	2.2	ND	ND	ND	ND	ND
m,p-xylene	5.8	3.6	3.9	ND	ND	ND	ND	ND	ND
o-xylene	5.1	4.2	3.7	3.2	ND	ND	ND	ND	ND
Toluene	1.1	1.0	1.4	1.1	ND	ND	ND	ND	ND

GW-28I	1.6	680	230	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	1.6	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Acetone	ND	680	230	ND	NA	NA

GW-24I	ND	5.9	37	6.6	11.2	10.8	8.7	10.7	8.6	3.2	ND	ND	ND	ND	ND
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	ND	5.9	ND	2.7	2.7	3.3	4.1	3.9	4	3.2	ND	ND	ND	1.2	ND
m,p-Xylene	ND	ND	22	2.5	4.6	4.2	2.0	3.5	3	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	15	1.4	2.7	2.2	1.1	2.2	1.6	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	1.2	1.1	ND	1.1	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-44I	23.5	33.3	23.5	33.3	33.3	23.4
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2015	Oct. 2016	Dec. 2016	Sept. 2017
Benzene	1.2	ND	ND	ND	ND	ND
m,p-Xylene	10	ND	ND	ND	16	4.9
o-Xylene	4.4	ND	ND	ND	7.4	1.3
Ethylbenzene	3.5	ND	ND	ND	6.4	5.5
Toluene	4.4	ND	ND	ND	3.5	ND
Acetone	ND	170	ND	ND	ND	NA
Isopropylbenzene	ND	8.3	ND	5.5	NA	NA

GW-12S	241	197	224	173	171	176	180	157	167	123	231
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	28	23	23	21	20	22	23	20	19	15	23	17
Ethylbenzene	21	18	19	18	16	22	16	18	20	14	29	20
m,p-xylene	82	81	100	70	68	56	62	48	57	39	61	48
o-xylene	57	50	55	41	43	49	50	48	46	37	56	40
Styrene	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	31	25	27	23	24	27	29	23	25	18	31	25

GW-11S	ND	NS
VOCs (ug/L)	Jun. 2007	Sept. 2017
Non-Detect	ND	NS

GW-11I	36	32	32	38.2	33.1	33.1	25.6	20.7	19.6	11.5	11.1	7.0
VOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jun. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzene	25	21	22	22	21	21	19	15	13	9.9	9.0	5.8
Ethylbenzene	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	11	11	8.0	10.0	8.2	9.0	5.1	4.6	5.1	2.6	2.1	1.2
m,p-xylene	NS	NS	2.2	3.6	2.9	3.1	1.5	1.1	1.5	ND	ND	ND

LEGEND

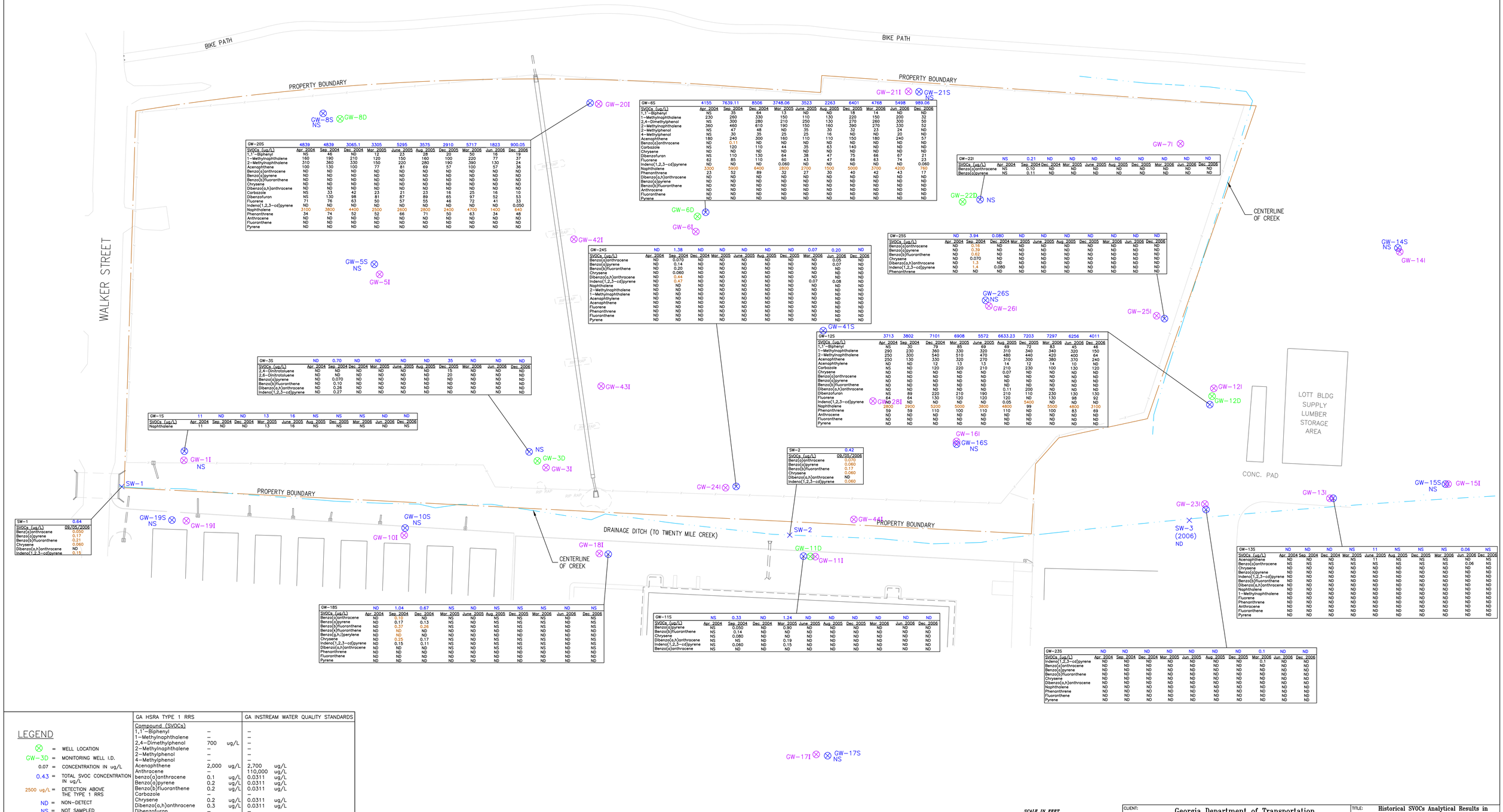
- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 6.1 = CONCENTRATION IN ug/L
- 401 = TOTAL SVOC CONCENTRATION IN ug/L
- 20 ug/L = DETECTION ABOVE THE TYPE 1 RRS
- ND = NON-DETECT
- NS = NOT SAMPLED
- NA = NOT ANALYZED FOR BTEX AND/OR VOCs
- ↓ = LOCATION WHERE GROUNDWATER WAS PILOT TESTED IN JULY AND SEPTEMBER 2012 USING MODIFIED FENTONS REAGENT

GA HSRA TYPE 1 RRS

Compound (VOCs)		
Acetone	4,000	ug/L
Benzene	5	ug/L
Ethylbenzene	700	ug/L
Total xylenes	10,000	ug/L
Toluene	1,000	ug/L
1,2-DCA	5	ug/L

SCALE IN FEET
0 50 100

CLIENT: Georgia Department of Transportation		TITLE: VOC Analytical Results in Groundwater From June 2007 to September 2017	
PROJECT: Walker Street Site, Former GADOT Maintenance Facility			
DATE: January 2017	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 4
FILE:FIG 13-VOCs Concentrations1.dwg	CHECKED BY:		FIGURE: 18b



GW-20S	4839	4839	3065.1	3305	5295	3575	2910	5717	1823	900.05
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
1,1'-Biphenyl	NS	46	ND	12	23	28	20	50	16	19
1-Methylnaphthalene	160	190	210	120	150	160	100	220	77	37
2-Methylnaphthalene	310	360	330	150	220	280	190	390	130	24
Acenaphthene	100	130	100	77	81	69	57	100	57	36
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	33	42	23	21	23	16	25	16	10
Dibenzofuran	NS	130	98	81	87	89	65	97	52	53
Fluorene	71	76	63	50	57	55	46	72	41	33
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.050
Naphthalene	3100	3800	4400	2500	2600	2800	2400	4700	1400	640
Phenanthrene	34	74	52	52	66	71	50	63	34	48
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-6S	4155	7639.11	8506	3748.06	3523	2263	6401	4768	5498	989.06
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
1,1'-Biphenyl	NS	35	64	1.3	ND	ND	18	14	ND	ND
1-Methylnaphthalene	230	260	330	150	110	130	220	150	200	32
2,4-Dimethylphenol	NS	300	280	210	250	130	270	260	300	50
2-Methylnaphthalene	360	460	610	190	150	160	390	270	330	52
2-Methylphenol	NS	47	48	ND	35	30	32	23	24	ND
4-Methylphenol	NS	30	35	25	25	16	ND	ND	20	ND
Acenaphthene	180	240	300	160	110	110	150	180	240	57
Benzo(a)anthracene	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NS	120	110	44	35	63	140	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	110	130	64	38	47	75	66	67	21
Fluorene	62	85	110	60	43	47	66	63	74	23
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.060	ND	ND	ND	ND	ND	0.060
Naphthalene	3300	5900	6400	2800	2700	1500	5000	3700	4200	790
Phenanthrene	23	52	89	32	27	30	40	42	43	17
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-22I	NS	0.21	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Benzo(a)anthracene	NS	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	NS	0.11	ND	ND	ND	ND	ND	ND	ND	ND

GW-25S	ND	3.94	0.080	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Benzo(a)anthracene	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.39	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.65	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.070	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	1.4	0.080	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-24S	ND	1.38	ND	ND	ND	ND	ND	0.07	0.20	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Benzo(a)anthracene	ND	0.070	ND	ND	ND	ND	ND	ND	0.05	ND
Benzo(a)pyrene	ND	0.14	ND	ND	ND	ND	ND	ND	0.07	ND
Benzo(b)fluoranthene	ND	0.20	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.060	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.44	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.47	ND	ND	ND	ND	ND	0.07	0.08	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-12S	3713	3802	7101	6908	5572	6633.23	7203	7297	6256	4011
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
1,1'-Biphenyl	NS	30	79	85	69	69	72	83	45	46
1-Methylnaphthalene	290	230	360	330	320	310	340	340	320	150
2-Methylnaphthalene	250	300	540	510	470	480	440	420	400	64
Acenaphthene	250	130	330	320	270	310	300	380	370	240
Acenaphthylene	ND	ND	12	13	13	14	12	14	10	ND
Carbazole	NS	ND	120	220	210	210	230	100	130	120
Chrysene	ND	ND	ND	ND	ND	0.07	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.11	200	ND	ND	ND
Dibenzofuran	NS	89	220	210	190	210	110	230	130	130
Fluorene	64	64	130	120	120	120	ND	130	98	92
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	0.05	5400	ND	ND	ND
Naphthalene	2800	2900	5200	5000	3800	4800	99	5500	4800	3100
Phenanthrene	59	59	110	100	110	110	ND	100	83	69
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-3S	ND	0.70	ND	ND	ND	ND	35	ND	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	15	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	20	ND	ND	ND
Benzo(a)pyrene	ND	0.070	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND

GW-1S	11	ND	ND	13	16	NS	NS	NS	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Naphthalene	11	ND	ND	13	16	NS	NS	NS	ND	NS

SW-2	0.42
SVOCs (ug/L)	09/05/2006
Benzo(a)anthracene	0.070
Benzo(a)pyrene	0.060
Benzo(b)fluoranthene	0.17
Chrysene	0.060
Dibenzo(a,h)anthracene	ND
Indeno(1,2,3-cd)pyrene	0.060

SW-1	0.64
SVOCs (ug/L)	09/05/2006
Benzo(a)anthracene	0.050
Benzo(a)pyrene	0.17
Benzo(b)fluoranthene	0.21
Chrysene	0.060
Dibenzo(a,h)anthracene	ND
Indeno(1,2,3-cd)pyrene	0.15

GW-18S	ND	1.04	0.67	NS	ND	NS	NS	NS	ND	NS
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Benzo(a)anthracene	ND	0.19	ND	NS	ND	NS	NS	NS	ND	NS
Benzo(a)pyrene	ND	0.17	0.13	NS	ND	NS	NS	NS	ND	NS
Benzo(b)fluoranthene	ND	0.37	0.26	NS	ND	NS	NS	NS	ND	NS
Benzo(k)fluoranthene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.25	0.17	NS	ND	NS	NS	NS	ND	NS
Indeno(1,2,3-cd)pyrene	ND	0.15	0.11	NS	ND	NS	NS	NS	ND	NS
Dibenzo(a,h)anthracene	ND	ND	ND	NS	ND	NS	NS	NS	ND	NS
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-11S	NS	0.33	ND	1.24	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Benzo(a)pyrene	NS	0.050	ND	0.90	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	NS	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	NS	0.080	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NS	NS	ND	0.19	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	NS	0.060	ND	0.15	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-13S	ND	ND	ND	NS	11	NS	NS	NS	0.06	NS
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	June. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Acenaphthene	ND	ND	ND	NS	11	NS	NS	NS	ND	NS
Benzo(a)anthracene	NS	NS	NS	NS	NS	NS	NS	NS	0.06	NS
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-23S	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
SVOCs (ug/L)	Apr. 2004	Sep. 2004	Dec. 2004	Mar. 2005	Jun. 2005	Aug. 2005	Dec. 2005	Mar. 2006	Jun. 2006	Dec. 2006
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

LEGEND

- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.43 = TOTAL SVOC CONCENTRATION IN ug/L
- 2500 ug/L = DETECTION ABOVE THE TYPE 1 RRS
- ND = NON-DETECT
- NS = NOT SAMPLED

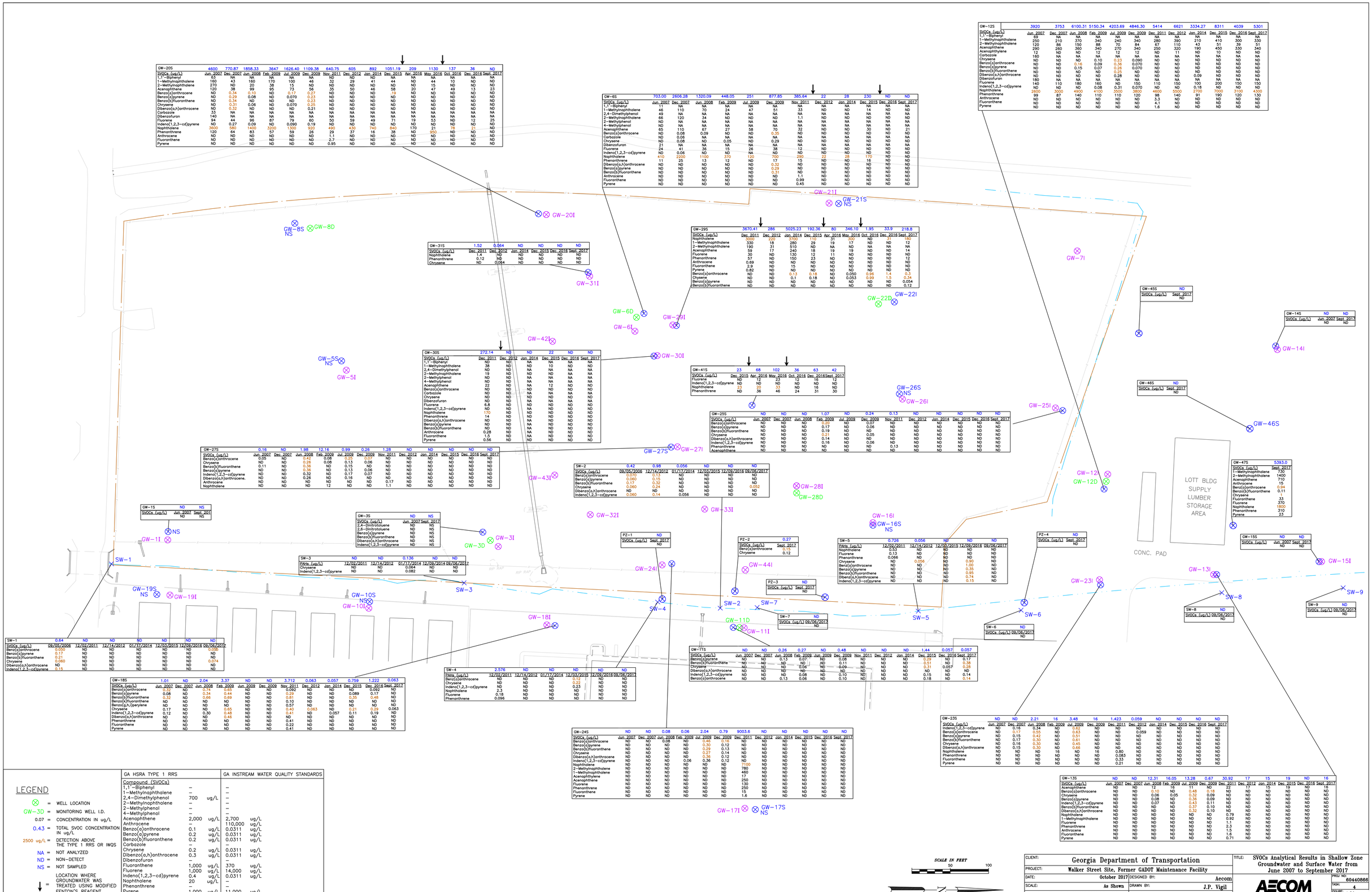
Compound (SVOCs)	GA HSRA TYPE 1 RRS		GA INSTREAM WATER QUALITY STANDARDS	
1,1'-Biphenyl	–		–	
1-Methylnaphthalene	–		–	
2,4-Dimethylphenol	700	ug/L	–	
2-Methylnaphthalene	–		–	
2-Methylphenol	–		–	
4-Methylphenol	–		–	
Acenaphthene	2,000	ug/L	2,700	ug/L
Anthracene	–		110,000	ug/L
benzo(a)anthracene	0.1	ug/L	0.0311	ug/L
Benzo(a)pyrene	0.2	ug/L	0.0311	ug/L
Benzo(b)fluoranthene	0.2	ug/L	0.0311	ug/L
Carbazole	–		–	
Chrysene	0.2	ug/L	0.0311	ug/L
Dibenzo(a,h)anthracene	0.3	ug/L	0.0311	ug/L
Dibenzofuran	–		–	
Fluoranthene	1,000	ug/L	370	ug/L
Fluorene	1,000	ug/L	14,000	ug/L
Indeno(1,2,3-cd)pyrene	0.4	ug/L	0.0311	ug/L
Naphthalene	20	ug/L	–	
Phenanthrene	–		–	
Pyrene	1,000	ug/L	11,000	ug/L

SCALE IN FEET
0 50 100

N

CLIENT:	Georgia Department of Transportation	TITLE:	Historical SVOCs Analytical Results in Shallow Zone Groundwater (April 2004 to December 2006)
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: January 2017	DESIGNED BY: AECOM	PROJ NO:	60440866
SCALE: As Shown	DRAWN BY: B.T	TASK:	4
FILE:FIG 11 and 12-SVOCs Concentrations-Deep	CHECKED BY: J.P. Vigil	FIGURE:	19a

AECOM



GW-20S	4600	770.87	1858.33	3647	1626.40	1109.38	640.75	605	892	1051.19	209	1130	137	36	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
1,1'-Biphenyl	63	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA
1-Methylnaphthalene	160	43	160	170	100	46	32	29	41	44	ND	44	10	ND	ND
2-Methylnaphthalene	270	ND	20	38	15	ND	ND	ND	ND	ND	ND	15	ND	ND	ND
Acenaphthene	120	38	99	95	73	56	35	50	46	58	20	47	49	13	23
Benzo(a)anthracene	ND	0.34	0.10	ND	0.17	0.27	ND	ND	ND	19	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.29	0.08	ND	0.070	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.34	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.31	0.06	ND	0.070	0.25	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.32	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	94	44	96	87	79	60	50	59	49	71	19	53	ND	12	25
Indeno(1,2,3-cd)pyrene	ND	0.27	0.09	ND	0.090	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	3600	580	1400	3200	1300	920	400	430	740	840	170	21	78	21	ND
Phenanthrene	120	64	83	57	59	26	29	37	16	38	ND	950	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND

GW-6S	703.00	2606.28	1320.09	448.05	251	877.85	385.64	22	28	230	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
1,1'-Biphenyl	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	46	110	70	24	47	51	33	ND	ND	14	ND	ND
2,4-Dimethylphenol	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	66	120	34	ND	ND	ND	1.1	ND	ND	ND	ND	ND
2-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	65	110	67	27	58	70	32	ND	ND	30	ND	21
Benzo(a)anthracene	ND	0.08	0.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND
Carbazole	ND	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	0.08	ND	0.05	ND	0.29	ND	ND	ND	ND	ND	ND
Dibenzofuran	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	24	41	36	15	26	38	12	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.06	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Naphthalene	410	2250	1100	370	120	700	290	22	28	170	ND	ND
Phenanthrene	11	25	13	12	ND	17	15	ND	ND	16	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND

GW-12S	3920	3753	6100.31	5150.34	4203.69	4846.30	5414	6621	3334.27	8311	4039	5301
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
1,1'-Biphenyl	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	250	210	370	340	240	340	280	390	210	410	300	330
2-Methylnaphthalene	120	86	150	88	70	84	67	110	43	51	39	51
Acenaphthene	290	260	360	340	270	340	250	320	190	490	330	340
Acenaphthylene	12	ND	ND	12	12	12	ND	11	ND	10	ND	ND
Carbazole	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	ND	ND	0.10	0.23	0.090	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	0.16	0.09	0.36	0.070	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.15	0.07	0.26	0.070	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.08	ND	ND	ND	0.09	ND	ND	ND
Dibenzofuran	140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	140	110	180	160	ND	150	150	150	100	200	150	150
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.08	0.31	0.070	ND	ND	0.18	ND	ND	ND
Naphthalene	2600	3200	4900	4100	5500	3800	4600	5400	2700	7000	3100	4300
Phenanthrene	99	87	140	110	110	120	98	140	91	190	120	130
Anthracene	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND

GW-29S	3670.41	286	5025.23	192.36	80	346.10	1.95	33.9	218.8
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Naphthalene	3000	220	3700	110	31	320	ND	31	160
1-Methylnaphthalene	330	18	280	29	19	17	ND	ND	12
2-Methylnaphthalene	190	31	510	ND	NA	ND	NA	NA	NA
Acenaphthene	59	17	240	18	19	19	ND	ND	14
Fluorene	30	ND	130	12	11	ND	ND	ND	ND
Phenanthrene	57	ND	150	23	ND	ND	ND	ND	12
Anthracene	0.69	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2.9	ND	15	ND	ND	ND	ND	ND	ND
Pyrene	0.82	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	0.13	0.18	ND	0.050	0.96	1.4	0.3
Chrysene	ND	ND	0.1	0.18	ND	0.053	0.99	1.5	0.34
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.054
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.12

GW-31S	1.52	0.064	ND	ND	ND	ND
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Naphthalene	1.4	ND	ND	ND	ND	ND
Phenanthrene	0.12	ND	ND	ND	ND	ND
Chrysene	ND	0.064	ND	ND	ND	ND

GW-45S	ND
SVOCs (ug/L)	Sept. 2017
	ND

GW-14S	ND	ND
SVOCs (ug/L)	Jun. 2007	Sept. 2017
	ND	ND

GW-30S	272.14	ND	ND	22	ND	ND
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
1,1'-Biphenyl	ND	ND	NA	NA	NA	NA
1-Methylnaphthalene	38	ND	ND	10	ND	ND
2,4-Dimethylphenol	ND	ND	NA	NA	NA	NA
2-Methylnaphthalene	19	ND	ND	ND	NA	NA
2-Methylphenol	ND	ND	NA	NA	NA	NA
4-Methylphenol	ND	ND	NA	NA	NA	NA
Acenaphthene	22	ND	NA	12	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	NA	NA	NA	NA
Chrysene	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	NA	NA	NA	NA
Fluorene	6.8	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	NA	ND	ND	ND
Naphthalene	170	ND	ND	ND	ND	ND
Phenanthrene	14	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	NA	ND	ND	ND
Benzo(a)pyrene	ND	ND	NA	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	NA	ND	ND	ND
Anthracene	0.28	ND	NA	ND	ND	ND
Fluoranthene	1.5	ND	ND	ND	ND	ND
Pyrene	0.56	ND	ND	ND	ND	ND

GW-41S	23	68	102	36	63	42
SVOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017
Fluorene	ND	12	23	12	16	12
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Naphthalene	23	20	33	ND	16	ND
Phenanthrene	ND	36	46	24	31	30

GW-46S	ND
SVOCs (ug/L)	Sept. 2017
	ND

GW-25S	ND	ND	ND	1.07	ND	0.24	0.13	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzo(a)anthracene	ND	ND	ND	0.20	ND	0.07	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	0.17	ND	0.06	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	0.21	ND	0.05	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.14	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.16	ND	0.06	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-47S	5393.0
SVOCs (ug/L)	Sept. 2017
1-Methylnaphthalene	730
2-Methylnaphthalene	1400
Acenaphthene	710
Anthracene	15
Benzo(a)anthracene	0.84
Benzo(b)fluoranthene	0.11
Chrysene	1
Fluoranthene	33
Fluorene	370
Naphthalene	1800
Phenanthrene	310
Pyrene	23

GW-27S	0.16	ND	1.98	12.16	0.99	0.26	1.28	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzo(a)anthracene	0.05	ND	0.42	0.08	0.25	0.07	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.26	0.08	0.13	0.06	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.11	ND	0.36	ND	0.15	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.36	ND	0.13	0.06	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.32	ND	0.17	0.07	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene.	ND	ND	0.26	ND	0.16	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	12	ND	ND	1.1	ND	ND	ND	ND	ND

SW-2	0.42	0.98	0.056	ND	ND	ND
SVOCs (ug/L)	09/05/2006	12/14/2012	01/17/2014	12/03/2015	12/09/2016	09/06/2017
Benz(a)anthracene	0.070	0.13	ND	ND	ND	ND
Benzo(a)pyrene	0.060	0.15	ND	ND	ND	ND
Benzo(b)fluoranthene	0.17	0.32	ND	ND	ND	ND
Chrysene	0.080	0.24	ND	ND	ND	0.052
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.060	0.14	0.056	ND	ND	ND

GW-15S	ND	ND
SVOCs (ug/L)	Jun. 2007	Sept. 2017
	ND	NS

GW-3S	ND	NS
SVOCs (ug/L)	Jun. 2007	Sept. 2017
2,4-Dinitrotoluene	ND	NS
2,6-Dinitrotoluene	ND	NS
Benzo(a)pyrene	ND	NS
Benzo(b)fluoranthene	ND	NS
Dibenzo(a,h)anthracene	ND	NS
Indeno(1,2,3-cd)pyrene	ND	NS

SW-3	ND	ND	0.136	ND	ND
PAHs (ug/L)	12/02/2011	12/14/2012	01/17/2014	12/09/2014	09/06/2017
Chrysene	ND	ND	0.084	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.082	ND	ND

PZ-1	ND
SVOCs (ug/L)	Sept. 2017
	ND

PZ-2	0.27
SVOCs (ug/L)	Sept. 2017
Benz(a)anthracene	0.15
Chrysene	0.12

SW-5	0.726	0.056	ND	ND	ND
PAHs (ug/L)	12/02/2011	12/14/2012	12/03/2015	12/09/2016	09/06/2017
Naphthalene	0.53	ND	ND	ND	ND
Fluorene	0.13	ND	ND	ND	ND
Phenanthrene	0.066	ND	ND	ND	ND
Chrysene	ND	0.056	ND	0.090	ND
Benz(a)anthracene	ND	ND	ND	1.00	ND
Benzo(a)pyrene	ND	ND	ND	0.35	ND
Benzo(b)fluoranthene	ND	ND	ND	0.95	ND
Dibenz(a,h)anthracene	ND	ND	ND	0.74	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.15	ND

PZ-4	ND
SVOCs (ug/L)	Sept. 2017
	ND

PZ-3	ND
SVOCs (ug/L)	Sept. 2017
	ND

SW-7	ND
SVOCs (ug/L)	09/06/2017
	ND

SW-6	ND
SVOCs (ug/L)	09/06/2017
	ND

SW-8	ND
SVOCs (ug/L)	09/06/2017
	ND

SW-9	ND
SVOCs (ug/L)	09/06/2017
	ND

SW-1	0.64	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	09/05/2006	12/02/2011	12/14/2012	01/17/2014	12/03/2015	12/09/2016	09/06/2017
Benz(a)anthracene	0.050	ND	ND	ND	ND	ND	0.055
Benzo(a)pyrene	0.17	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.21	ND	ND	ND	ND	ND	ND
Chrysene	0.060	ND	ND	ND	ND	ND	0.074
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.15	ND	ND	ND	ND	ND	ND

SW-4	2.576	ND	ND	ND	ND	ND
PAHs (ug/L)	12/02/2011	12/14/2012	01/17/2014	12/03/2015	12/09/2016	09/06/2017
Benz(a)anthracene	ND	ND	ND	0.12	ND	ND
Chrysene	ND	ND	ND	0.22	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.23	ND	ND
Naphthalene	2.3	ND	ND	ND	ND	ND
Fluorene	0.18	ND	ND	ND	ND	ND
Phenanthrene	0.096	ND	ND	ND	ND	ND

GW-11S	ND	ND	0.26	0.27	ND	0.48	ND	ND	ND	1.44	0.057	0.057
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzo(a)pyrene	ND	ND	0.13	0.07	ND	0.08	ND	ND	ND	0.22	ND	0.12
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.11	ND	ND	ND	0.51	ND	0.36
Chrysene	ND	ND	ND	0.06	ND	0.09	ND	ND	ND	0.31	0.057	0.28
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.08	ND	0.10	ND	ND	ND	0.15	ND	0.14
Benzo(a)anthracene	ND	ND	0.13	0.06	ND	0.10	ND	ND	ND	0.18	ND	0.14

GW-23S	ND	ND	2.21	16	3.48	16	1.423	0.059	ND	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Indeno(1,2,3-cd)pyrene	ND	0.16	0.34	ND	0.62	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.17	0.55	ND	0.63	ND	ND	0.059	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.15	0.42	ND	0.51	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.17	0.30	ND	0.61	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.16	0.30	ND	0.45	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.15	0.30	ND	0.66	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	16	ND	16	0.80	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.083	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND

GW-18S	1.01	ND	2.04	3.37	ND	ND	3.712	0.063	0.057	0.759	1.222	0.063
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jun. 2009	Dec. 2009	Nov. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzo(a)anthracene	0.32	ND	0.74	0.65	ND	ND	0.092	ND	ND	ND	0.092	ND
Benzo(a)pyrene	0.08	ND	0.34	0.44	ND	ND	0.29	ND	ND	0.089	0.17	ND
Benzo(b)fluoranthene	0.32	ND	0.66	0.69	ND	ND	0.81	ND	ND	0.35	0.48	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	0.57	ND	ND	ND	ND	ND
Chrysene	0.17	ND	ND	0.65	ND	ND	0.40	0.063	ND	0.21	0.29	0.063
Indeno(1,2,3-cd)pyrene	0.12	ND	0.30	0.48	ND	ND	0.41	ND	0.057	0.11	0.19	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND

GW-24S	ND	ND	0.08	0.06	2.04	0.79	9003.6	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Benzo(a)anthracene	ND	ND	0.08	ND	0.46	0.18	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	0.30	0.12	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.29	0.13	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	0.27	0.14	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.36	0.12	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.06	0.36	0.12	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	7100	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	780	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	460	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND

GW-13S	ND	ND	12.31	16.05	13.28	0.67	30.92	17	15	19	ND	16
SVOCs (ug/L)	Jun. 2007	Dec. 2007	Jun. 2008	Feb. 2009	Jul. 2009	Dec. 2009	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017
Acenaphthene	ND	ND	12	16	11	ND	22	17	15	19	ND	16
Benzo(a)anthracene	ND	ND	0.10	ND	0.48	0.18	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.06	0.05	0.32	0.09	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.08	ND	0.36	0.09	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.07	ND	0.43	0.11	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.37	0.10	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.32	0.10	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	0.79	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND

LEGEND

- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.43 = TOTAL SVOC CONCENTRATION IN ug/L
- 2500 ug/L = DETECTION ABOVE THE TYPE 1 RRS OR IWQS
- NA = NOT ANALYZED
- ND = NON-DETECT
- NS = NOT SAMPLED
- ↓ = LOCATION WHERE GROUNDWATER WAS TREATED USING MODIFIED FENTON'S REAGENT

	GA HSRA TYPE 1 RRS		GA INSTREAM WATER QUALITY STANDARDS	
Compound (SVOCs)				
1,1'-Biphenyl	–		–	
1-Methylnaphthalene	–		–	
2,4-Dimethylphenol	700	ug/L	–	
2-Methylnaphthalene	–		–	
2-Methylphenol	–		–	
4-Methylphenol	–		–	
Acenaphthene	2,000	ug/L	2,700	ug/L
Anthracene	–		110,000	ug/L
Benzo(a)anthracene	0.1	ug/L	0.0311	ug/L
Benzo(a)pyrene	0.2	ug/L	0.0311	ug/L
Benzo(b)fluoranthene	0.2	ug/L	0.0311	ug/L
Carbazole	–		–	
Chrysene	0.2	ug/L	0.0311	ug/L
Dibenzo(a,h)anthracene	0.3	ug/L	0.0311	ug/L
Dibenzofuran	–		–	
Fluoranthene	1,000	ug/L	370	ug/L
Fluorene	1,000	ug/L	14,000	ug/L
Indeno(1,2,3-cd)pyrene	0.4	ug/L	0.0311	ug/L
Naphthalene	20	ug/L	–	
Phenanthrene	–		–	
Pyrene	1,000	ug/L	11,000	ug/L

CLIENT:	Georgia Department of Transportation	TITLE:	SVOCs Analytical Results in Shallow Zone Groundwater and Surface Water from June 2007 to September 2017
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: October 2017	DESIGNED BY: Aecom	PROJ. NO:	60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil	TASK:	4
FILE:FIG 11 and 12-SVOCs Concentrations-Deep	CHECKED BY:	FIGURE:	19b

AECOM

GW-20I	NS	0.29	ND	49.38	ND	ND	326	ND	356	201
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1–Methylnaphthalene	NS	ND	ND	ND	ND	ND	17	ND	17	11
2–Methylnaphthalene	NS	ND	ND	ND	ND	ND	33	ND	31	13
Acenaphthene	NS	ND	ND	ND	ND	ND	13	ND	10	11
Benzo(a)anthracene	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	NS	0.14	ND	0.16	ND	ND	ND	ND	ND	ND
Chrysene	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	ND	ND	ND	ND	ND	16	ND	ND	15
Fluorene	NS	ND	ND	ND	ND	ND	13	ND	12	11
Indeno(1,2,3–cd)pyrene	NS	0.15	ND	0.22	ND	ND	ND	ND	ND	ND
Naphthalene	NS	ND	ND	49	ND	56	210	29	270	120
Phenanthrene	NS	ND	ND	ND	ND	ND	24	ND	16	20
Fluoranathene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-6I	1722	2415.51	2502.25	1252.34	416.19	1638.34	1614.26	1419.3	2095.31	1652.32
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1,1'–Biphenyl	NS	15	24	ND	ND	10	19	16	12	18
1–Methylnaphthalene	71	61	87	49	16	64	75	56	75	45
2–Methylnaphthalene	100	120	150	49	10	87	130	83	130	120
Acenaphthene	61	12	14	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.24	0.12	0.27	0.08	0.19	0.16	0.41	0.17	0.16
Benzo(a)pyrene	ND	ND	ND	ND	0.05	ND	ND	0.05	ND	ND
Benzo(b)fluoranthene	ND	0.050	ND	ND	ND	ND	ND	0.29	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.22	0.13	0.070	0.06	0.15	0.1	0.19	0.14	0.11
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	.28	ND	ND
Dibenzofuran	NS	36	47	21	ND	33	39	29	38	38
Flouranthene	ND	11	11	ND	ND	ND	ND	ND	ND	ND
Fluorene	41	17	20	12	ND	15	13	11	12	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.36	ND	0.05
Naphthalene	1400	2100	2100	1100	390	1400	1300	1200	1800	1400
Phenanthrene	49	43	49	21	ND	29	38	23	28	31
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-27I	7309	13939.38	10361.34	6339.27	9696.15	11080.34	11405.35	10759.03	13461.31	10919.35
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	Jun 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1,1'–Biphenyl	NS	68	59	61	68	90	85	95	130	110
1–Methylnaphthalene	370	470	420	240	350	430	460	450	380	37
2–Methylnaphthalene	630	890	760	350	650	780	900	920	780	860
Acenaphthene	230	470	400	200	310	350	400	440	380	450
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	10	11	ND	ND	ND	ND	11	11	12
Benzo(a)anthracene	ND	0.20	0.14	0.22	0.09	0.2	0.24	0.39	0.21	0.20
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	0.29	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.33	ND	ND
Carbazole	NS	290	220	150	240	220	230	150	190	190
Chrysene	ND	0.18	0.12	0.050	0.06	0.14	0.11	0.21	0.11	0.15
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.97	ND	ND
Dibenzofuran	NS	310	250	120	160	230	260	300	240	270
Fluoranthene	ND	11	11	130	130	180	ND	10	10	10
Fluorene	100	270	200	ND	ND	ND	150	160	200	210
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.84	ND	ND
Naphthalene	5900	11000	7900	5000	7700	8800	8800	8100	11000	8600
Phenanthrene	79	150	130	88	88	130	120	120	140	170

GW-14I	ND	ND	ND	ND	ND	ND	ND	0.24	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	Jun 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Indendo(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.13	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.11	ND	ND

GW-5I	ND	ND	ND	ND	ND	ND	ND	0.30	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	0.18	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND

GW-12I	ND	ND	11	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Caprolactam	ND	ND	11	ND	ND	ND	ND	ND	ND	ND

GW-3I	ND	ND	ND	ND	ND	ND	ND	0.95	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	0.38	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	0.15	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	0.2	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	0.1	ND	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	0.12	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-12D	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzo(a)anthracene	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-24I	2453	5468.93	5575.13	4180.58	3394	3907.63	4940.91	2522.83	3444.52	3152.92
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1,1'–Biphenyl	NS	79	66	ND	19	46	63	ND	38	37
1–Methylnaphthalene	210	350	390	320	250	310	360	240	270	160
2–Methylnaphthalene	430	770	790	550	510	630	790	520	610	500
Acenaphthene	180	320	320	270	190	230	310	240	280	260
Acenaphthylene	11	17	15	15	15	13	17	13	16	12
Anthracene	ND	21	14	11	ND	10	15	10	15	12
Benzo(a)anthracene	ND	9.5	1.4	0.29	0.46	0.33	0.61	1	1.9	0.94
Benzo(a)pyrene	ND	1.6	0.17	0.050	0.050	ND	ND	0.11	0.17	0.090
Benzo(b)fluoranthene	ND	3.1	0.36	ND	0.14	ND	ND	0.19	0.45	0.23
Carbazole	NS	130	120	76	95	89	77	16	56	31
Chrysene	ND	7.5	1.2	0.17	0.35	0.23	0.3	0.48	1.0	0.66
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	290	290	250	150	220	280	200	250	240
Fluoranthene	32	120	38	18	14	19	26	21	36	25
Fluorene	120	250	230	190	120	140	220	180	210	200
Indeno(1,2,3–cd)pyrene	ND	0.23	ND	0.070	ND	0.07	ND	0.05	ND	ND
Naphthalene	1300	2600	3000	2300	1900	2000	2500	880	1400	1400
Phenanthrene	150	430	280	210	130	200	270	190	240	260
Pyrene	20	70	19	ND	ND	ND	12	11	20	14

GW-11I	3326	1591.07	2810	2169.17	3660	3119.21	3119.21	2659.39	1979	2090.05
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
1,1'–Biphenyl	NS	18	36	23	46	38	42	40	36	38
1–Methylnaphthalene	150	68	110	87	160	150	160	130	100	92
2–Methylnaphthalene	260	100	170	97	190	190	220	140	130	120
Acenaphthene	21	ND	19	18	33	30	33	35	34	38
Benzo(a)anthracene	ND	ND	ND	0.050	ND	ND	0.13	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	0.080	ND	ND	0.11	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	0.16	ND	0.1	0.28	0.19	ND	ND
Carbazole	NS	21	26	28	45	41	40	38	33	31
Chrysene	ND	ND	ND	0.080	ND	0.06	0.13	0.07	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NS	40	75	58	94	85	91	89	73	86
Fluoranthene	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND
Fluorene	35	16	29	21	38	34	37	37	32	36
Indeno(1,2,3–cd)pyrene	ND	0.070	ND	0.10	ND	0.05	0.16	0.13	ND	0.050
Naphthalene	2800	1300	2300	1800	3000	2500	2700	2100	1500	1600
Phenanthrene	60	28	45	35	54	51	58	50	41	49
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

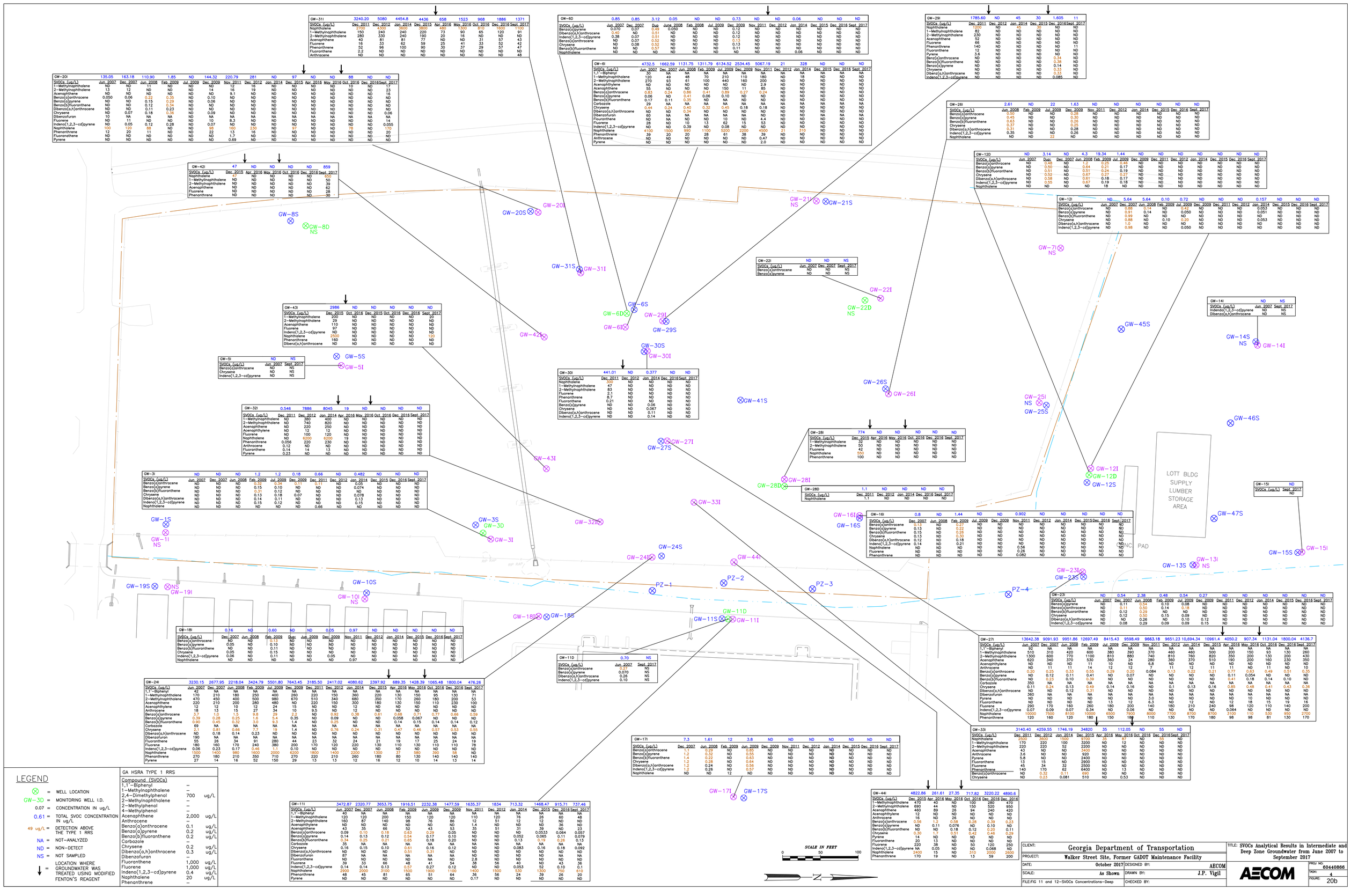
GW-23I	ND	ND	ND	0.50	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Apr 2004	Sep 2004	Dec 2004	Mar 2005	June 2005	Aug 2005	Dec 2005	Mar 2006	Jun 2006	Dec 2006
Benzo(a)pyrene	ND	ND	ND	0.080	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND

LEGEND

- ⊗ = WELL LOCATION
- GW–3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.61 = TOTAL SVOC CONCENTRATION IN ug/L
- 49 ug/L = DETECTION ABOVE THE TYPE 1 RRS
- ND = NON–DETECT
- NS = NOT SAMPLED

GA HSRA TYPE 1 RRS		
Compound (SVOCs)		
1,1'–Biphenyl	–	
1–Methylnaphthalene	–	
2,4–Dimethylphenol	700	ug/L
2–Methylnaphthalene	–	
2–Methylphenol	–	
4–Methylphenol	–	
Acenaphthene	2,000	ug/L
Anthracene	–	
Benzo(a)anthracene	0.1	ug/L
Benzo(a)pyrene	0.2	ug/L
Benzo(b)fluoranthene	0.2	ug/L
Carbazole	–	
Chrysene	0.2	ug/L
Dibenzo(a,h)anthracene	0.3	ug/L
Dibenzofuran	–	
Fluoranthene	1,000	ug/L
Fluorene	1,000	ug/L
Indeno(1,2,3–cd)pyrene	0.4	ug/L
Naphthalene	20	ug/L
Phenanthrene	–	

CLIENT:	Georgia Department of Transportation	TITLE:	Historical SVOCs Analytical Results in Intermediate and Deep Zone Groundwater (April 2004 to December 2006)
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: January 2017	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: B.T.		TASK: 4
FILE: FIG 11 and 12–SVOCs Concentrations–Deep.dwg	CHECKED BY: J.P. Vigil		FIGURE: 20a



GW-31I	3240.20	5080	4454.8	4436	658	1523	968	1886	1371
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	2700	4300	3600	3800	480	1300	810	1600	1100
1-Methylnaphthalene	150	240	240	220	73	90	65	120	91
2-Methylnaphthalene	280	330	240	190	20	16	ND	ND	ND
Acenaphthene	40	81	81	77	ND	ND	31	57	43
Fluorene	16	33	62	59	25	41	33	52	42
Phenanthrene	52	96	100	90	30	37	29	57	47
Fluoranthene	2.2	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	48

GW-6D	0.85	0.85	3.12	0.05	ND	ND	0.73	ND	ND	0.06	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Dup	June 2008	Feb 2008	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)pyrene	0.070	0.07	0.49	0.050	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.40	ND	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.38	0.07	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.07	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.08	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	0.57	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND	ND

GW-29I	1785.60	ND	45	30	1.605	11
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Naphthalene	1200	ND	45	32	ND	ND
1-Methylnaphthalene	82	ND	ND	ND	ND	ND
2-Methylnaphthalene	230	ND	ND	ND	ND	ND
Acenaphthene	52	ND	ND	ND	ND	ND
Fluorene	66	ND	ND	ND	ND	ND
Phenanthrene	140	ND	ND	ND	ND	11
Fluoranthene	12	ND	ND	ND	ND	ND
Pyrene	3.6	ND	ND	ND	ND	ND
Benz(a)anthracene	ND	ND	ND	ND	0.34	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.38	ND
Benzo(a)pyrene	ND	ND	ND	ND	0.14	ND
Chrysene	ND	ND	ND	ND	0.33	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	0.33	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	0.085	ND

GW-20I	135.05	163.18	110.90	1.85	ND	144.32	220.79	281	ND	97	ND	ND	88	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1-Methylnaphthalene	ND	ND	1.1	ND	ND	ND	12	16	ND	ND	ND	ND	ND	10	17
2-Methylnaphthalene	13	12	ND	ND	ND	14	16	19	ND	ND	ND	ND	ND	ND	23
Acenaphthene	ND	ND	ND	ND	ND	ND	9.1	ND	ND	ND	ND	ND	ND	ND	16
Benzo(a)anthracene	0.050	0.06	0.22	0.35	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.15	0.29	ND	0.06	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	0.12	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	0.11	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.07	0.18	0.38	ND	0.09	ND	ND	ND	ND	ND	ND	ND	ND	0.06
Dibenzofuran	10	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	ND	ND	ND	ND	10	8.3	ND	ND	ND	ND	ND	ND	ND	ND	14
Indeno(1,2,3-cd)pyrene	ND	0.05	0.12	0.28	ND	0.07	ND	ND	ND	ND	ND	ND	ND	ND	0.055
Naphthalene	100	120	88	ND	ND	93	160	230	ND	97	ND	ND	78	ND	170
Phenanthrene	12	20	11	ND	ND	22	13	16	ND	ND	ND	ND	ND	ND	20
Fluoranthene	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.69	ND	ND	ND	ND	ND	ND	ND	ND

GW-6I	4732.5	1662.59	1131.75	1311.79	6134.52	2534.45	5067.19	21	328	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017	
1,1'-Biphenyl	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1-Methylnaphthalene	120	49	48	70	210	110	180	ND	18	ND	ND	ND	
2-Methylnaphthalene	270	93	61	100	440	160	200	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND	
Acenaphthene	55	ND	ND	ND	150	11	85	ND	ND	ND	ND	ND	
Benzo(a)anthracene	0.83	0.24	0.86	0.41	0.89	0.27	0.24	ND	ND	ND	ND	ND	
Benzo(a)pyrene	0.06	ND	0.41	0.06	0.10	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	0.17	0.11	0.35	ND	NA	ND	ND	ND	ND	ND	ND	ND	
Carbazole	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Chrysene	0.44	0.24	0.40	0.32	0.45	0.18	0.18	ND	ND	ND	ND	ND	
Dibenz(a,h)anthracene	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dibenzofuran	60	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	
Fluoranthene	ND	NA	ND	ND	10	ND	4.4	ND	ND	ND	ND	ND	
Fluorene	28	ND	10	13	62	15	53	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	0.39	ND	0.08	ND	ND	ND	ND	ND	ND	ND	
Naphthalene	4100	1500	990	1100	5200	2200	4500	21	310	ND	ND	ND	
Phenanthrene	39	20	20	28	61	38	39	ND	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	

GW-26I	2.61	ND	22	1.63	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	0.50	ND	ND	0.28	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.45	ND	ND	0.30	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.63	ND	ND	0.26	ND	ND	ND	ND	ND	ND
Chrysene	0.37	ND	ND	0.25	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.31	ND	ND	0.28	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.35	ND	ND	0.26	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	22	ND	ND	ND	ND	ND	ND	ND

GW-42I	47	ND	ND	ND	ND	859
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	47	ND	ND	ND	ND	620
1-Methylnaphthalene	ND	ND	ND	ND	ND	50
2-Methylnaphthalene	ND	ND	ND	ND	ND	39
Acenaphthene	ND	ND	ND	ND	ND	62
Fluorene	ND	ND	ND	ND	ND	28
Phenanthrene	ND	ND	ND	ND	ND	30

GW-12D	ND	3.14	ND	4.3	19.34	1.44	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dup	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	0.48	ND	1.2	0.25	0.46	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.50	ND	0.64	0.21	0.17	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.51	ND	0.51	0.24	0.19	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.52	ND	0.67	0.27	0.27	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	0.58	ND	0.61	0.18	0.17	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.55	ND	0.67	0.19	0.18	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND

GW-12I	ND	5.64	5.64	0.10	0.72	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	0.88	0.14	ND	0.42	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.91	0.14	ND	0.050	ND	ND	ND	0.051	ND	ND	ND
Benzo(b)fluoranthene	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.88	ND	0.10	0.20	ND	ND	ND	0.053	ND	ND	ND
Dibenz(a,h)anthracene	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.98	ND	ND	0.050	ND	ND	ND	ND	ND	ND	ND

GW-22I	ND	ND	NS
SVOCs (ug/L)	Jun 2007	Dec 2007	Sept 2017
Benzo(a)anthracene	ND	ND	NS
Benzo(a)pyrene	ND	ND	NS

GW-14I	ND	NS
SVOCs (ug/L)	Jun 2007	Sept 2017
Indeno(1,2,3-cd)pyrene	ND	NS
Dibenz(a,h)anthracene	ND	NS

GW-43I	2986	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2015	Oct 2016	Dec 2015	Oct 2016	Dec 2016	Sept 2017
1-Methylnaphthalene	200	ND	ND	ND	ND	20
2-Methylnaphthalene	29	ND	ND	ND	ND	ND
Acenaphthene	110	ND	ND	ND	ND	ND
Fluorene	97	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Naphthalene	2500	ND	ND	ND	ND	120
Phenanthrene	160	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND

GW-5I	ND	NS
SVOCs (ug/L)	Jun 2007	Sept 2017
Benzo(a)anthracene	ND	NS
Chrysene	ND	NS
Indeno(1,2,3-cd)pyrene	ND	NS

GW-30I	441.01	ND	0.377	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2016	Sept 2017
Naphthalene	300	ND	ND	ND	ND
1-Methylnaphthalene	47	ND	ND	ND	ND
2-Methylnaphthalene	83	ND	ND	ND	ND
Fluorene	2.1	ND	ND	ND	ND
Phenanthrene	8.7	ND	ND	ND	ND
Fluoranthene	0.21	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.06	ND	ND
Chrysene	ND	ND	0.067	ND	ND
Dibenz(a,h)anthracene	ND	ND	0.11	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.14	ND	ND

GW-28I	774	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1-Methylnaphthalene	32	ND	ND	ND	ND	ND
2-Methylnaphthalene	50	ND	ND	ND	ND	ND
Fluorene	42	ND	ND	ND	ND	ND
Naphthalene	550	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND

GW-32I	0.546	7886	8045	19	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1-Methylnaphthalene	ND	380	400	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	740	820	ND	ND	ND	ND	ND
Acenaphthene	ND	220	250	ND	ND	ND	ND	ND
Acenaphthylene	ND	12	12	ND	ND	ND	ND	ND
Fluorene	ND	100	120	ND	ND	ND	ND	ND
Naphthalene	ND	6200	6200	19	ND	ND	ND	ND
Phenanthrene	0.056	220	230	ND	ND	ND	ND	ND
Anthracene	0.12	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	0.14	14	13	ND	ND	ND	ND	ND
Pyrene	0.23	ND	ND	ND	ND	ND	ND	ND

GW-3I	ND	ND	ND	1.2	1.2	0.18	0.66	ND	0.482	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	ND	ND	0.32	0.34	0.11	0.11	ND	0.05	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	0.15	0.10	ND	ND	ND	0.074	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	0.31	0.12	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	0.13	0.18	0.07	ND	ND	0.078	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	0.14	0.11	ND	ND	ND	0.13	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.15	0.12	ND	ND	ND	0.15	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	0.66	ND	ND	ND	ND	ND	ND

GW-16I	0.8	ND	1.44	ND	0.902	ND	ND	ND
SVOCs (ug/L)	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	0.13	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.13	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.15	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.13	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.12	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.14	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	0.26	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	0.082	ND	ND	ND	ND	ND	ND

GW-28D	1.1	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2016	Sept 2017
Naphthalene	1.1	ND	ND	ND	ND

GW-15I	ND
SVOCs (ug/L)	Sept 2017
	ND

GW-18I	0.16	ND	0.60	ND	ND	0.05	0.97	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2007	Jun 2008	Feb 2009	Dup	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	ND	0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.05	ND	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.05	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.06	ND	0.11	ND	ND	0.05	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	ND

GW-11D	0.70	NS
SVOCs (ug/L)	Jun. 2007	Sept. 2017
Benzo(a)anthracene	0.27	NS
Benzo(a)pyrene	0.070	NS
Dibenz(a,h)anthracene	0.26	NS
Indeno(1,2,3-cd)pyrene	0.10	NS

GW-23I	ND	0.54	2.38	0.48	0.54	0.27	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)pyrene	ND	0.11	0.54	0.10	0.08	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.11	0.50	0.14	0.18	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.12	0.29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.12	0.50	0.15	0.09	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.26	ND	ND	0.10	0.12	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.08	0.29	0.09	0.09	0.15	ND	ND	ND	ND	ND	ND

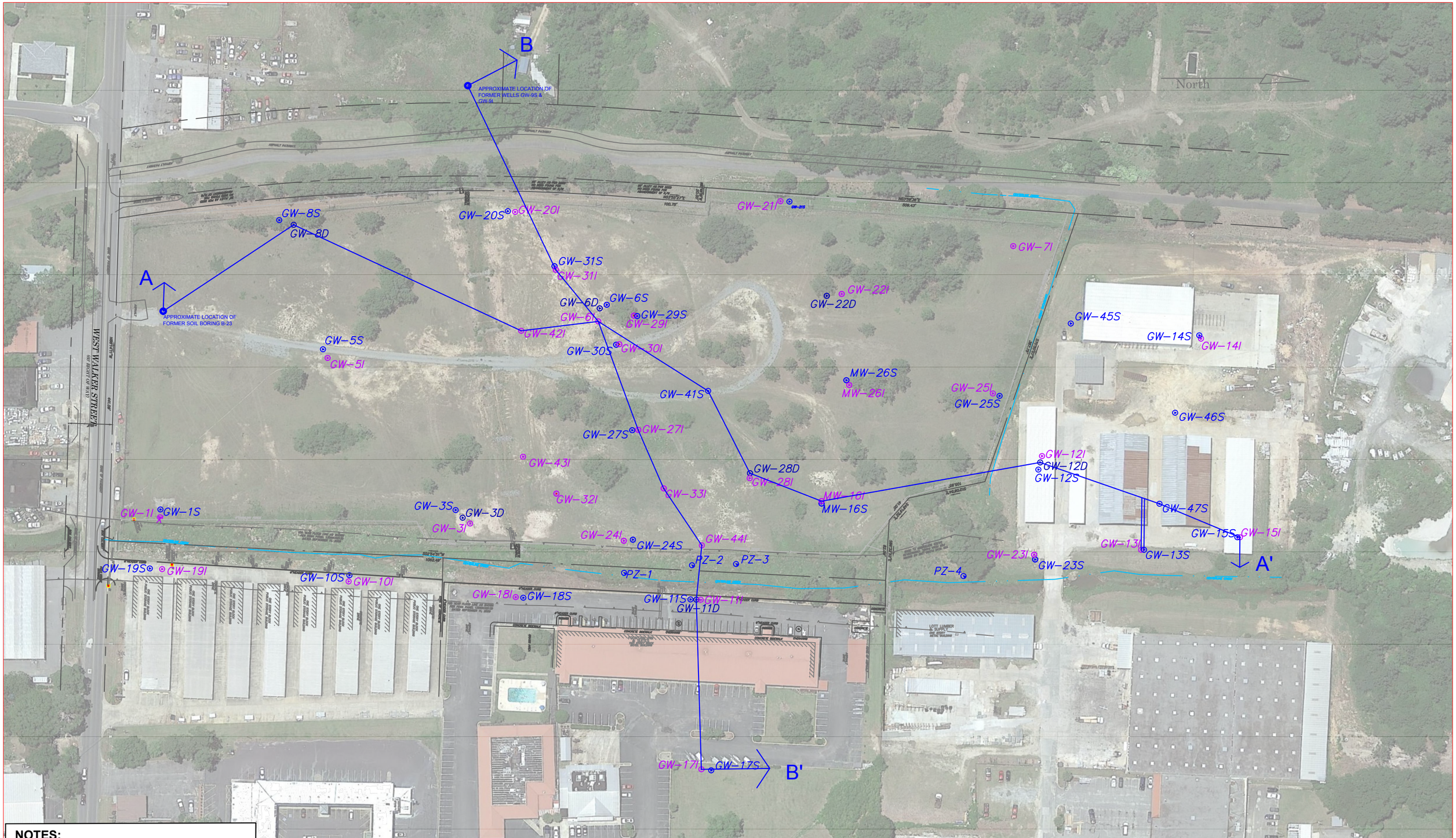
GW-24I	3230.15	2677.95	2218.04	3424.79	5501.80	7643.45	3185.50	2417.02	4080.62	2397.92	689.35	1428.39	1065.48	1800.04	476.26
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1,1'-Biphenyl	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	170	210	180	250	400	260	220	150	360	200	130	150	95	130	71
2-Methylnaphthalene	470	450	400	500	980	670	510	340	880	350	170	260	180	200	53
Acenaphthene	220	210	200	280	480	ND	220	150	300	180	130	150	110	230	100
Acenaphthylene	12	12	10	12	24	15	ND	ND	12	ND	ND	ND	ND	ND	ND
Anthracene	18	13	10	27	34	19	9.5	ND	17	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	3.7	1.0	1.5	9.8	29	2.6	ND	0.80	0.38	0.81	0.68	0.71	0.77	0.66	0.59
Benzo(a)pyrene	0.39	0.28	0.25	1.6	5.4	0.35	ND	0.09	ND	ND	0.058	0.067	ND	ND	ND
Benzo(b)fluoranthene	0.90	0.45	0.32	3.0	9.3	1.4	ND	0.25	ND	ND	0.14	0.15	0.14	0.14	0.12
Carbazole	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	2.1	0.81	0.66	7.7	19	1.4	ND	0.76	0.24	0.31	0.47	0.46	0.57	0.53	0.55
Dibenz(a,h)anthracene	ND	0.18	0.14	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	55	26	34	91	280	44	23	32	24	21	19	17	25	24	19
Fluorene	180	160	170	240	380	200	170	120	220	130	110	130	110	110	78
Indeno(1,2,3-cd)pyrene	0.06	0.23	0.17	0.46	1.1	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1300	1400	980	1600	2000	6200	1800	1400	2200	1300	37	580	390	58	ND
Phenanthrene	270	180	210	350	710	270	220	210	260	180	80	130	140	140	140
Pyrene	27	14	16	52	150	29	13	13	12	16	12	10	14	13	14

GW-27I	13642.38	9091.93	9951.86	12697.49	8415.43	9598.49	9663.18	9651.23	10,694.34	10961.4	4050.2	907.34	1131.04	1800.04	4136.7
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1,1'-Biphenyl	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	510	310	420	600	380	390	370	460	460	500	200	150	93	130	260
2-Methylnaphthalene	1300	600	770	1100	810	880	740	810	760	820	350	200	130	200	430
Acenaphthene	620	340	370	530	360	24	280	360	370	510	190	200	160	230	350
Acenaphthylene	ND	ND	ND	11	10	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	11	11	14	12	12	11	11	12	11	11	ND	11	ND	10
Benzo(a)anthracene	0.20	0.25	0.33	0.55	0.29	0.20	0.084	0.13	0.22	0.21	0.77	0.63	0.49	0.51	0.35
Benzo(a)pyrene	ND	0.12	0.11	0.41	ND	0.07	ND	ND	ND	ND	0.11	0.054	ND	ND	ND
Benzo(b)fluoranthene	ND	0.23	0.10	0.39	ND	ND	ND	ND	ND	ND	0.41	0.18	0.14	0.14	ND
Carbazole	350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.11	0.24	0.13	0.49	0.14	0.16	ND	0.1	0.13	0.16	0.85	0.48	0.41	0.43	0.36
Dibenz(a,h)anthracene	ND	ND	0.12	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ND	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	10	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	13	12	6.3	ND	12	ND	12	18	15	19	16
Fluorene	290	170	160	260	180	200	140	180	210	240	98	120	110	140	200
Indeno(1,2,3-cd)pyrene	0.07	0.09	0.07	0.34	ND	0.06	ND	ND	ND	ND	0.064	ND	ND	ND	ND
Naphthalene	10000	7500	8100	10000	6500	7900	8000	7700	8700	8700	3100	110	530	950	2700
Phenanthrene	120	160	120	180	150	180	110	130	170	180	98	98	81	130	170

GW-17I	7.3	1.61	12	3.8	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2007	Jun 2008	Feb 2009	Jun 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	1.1	0.29	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.2	0.32	ND	0.55	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.4	0.22	ND	0.63	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	0.28	ND	0.64	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	1.2	0.24	ND	0.56	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.2	0.26	ND	0.57	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND

GW-33I	3140.40	4259.55	1746.19	34820	35	112.05	ND	55	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	2500	3600	1500	9700	32	97	ND	55	ND
1-Methylnaphthalene	170	220	100	3200	ND	12	ND	ND	ND
2-Methylnaphthalene	220	220	52	2200	ND	13	ND	ND	ND
Acenaphthene	43	ND	ND	3400	ND	ND	ND	ND	ND
Anthracene	3.6	ND	ND	920	ND	ND	ND	ND	ND
Pyrene	5.8	ND	ND	2400	ND	ND	ND	ND	ND
Fluoranthene	13	15	ND	2900	ND	ND	ND	ND	ND
Fluorene	45	34	32	2500	ND	ND	ND	ND	ND
Phenanthrene	140	170	62	6400	ND	13	ND	ND	ND
Benzo(a)anthracene	ND	0.32	0.11	690	ND	ND	ND	ND	ND
Chrysene	ND	0.23	0.081	510	ND	0.53	ND	ND	ND

GW-11I	3472.87	2320.77	3653.75	1916.51	2232.38	1477.59	1635.37	1834	713.32	1468.47	915.71	737.46
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jun 2009	Dec 2009



NOTES:

- Shallow well location
- Intermediate well location
- Deep well location

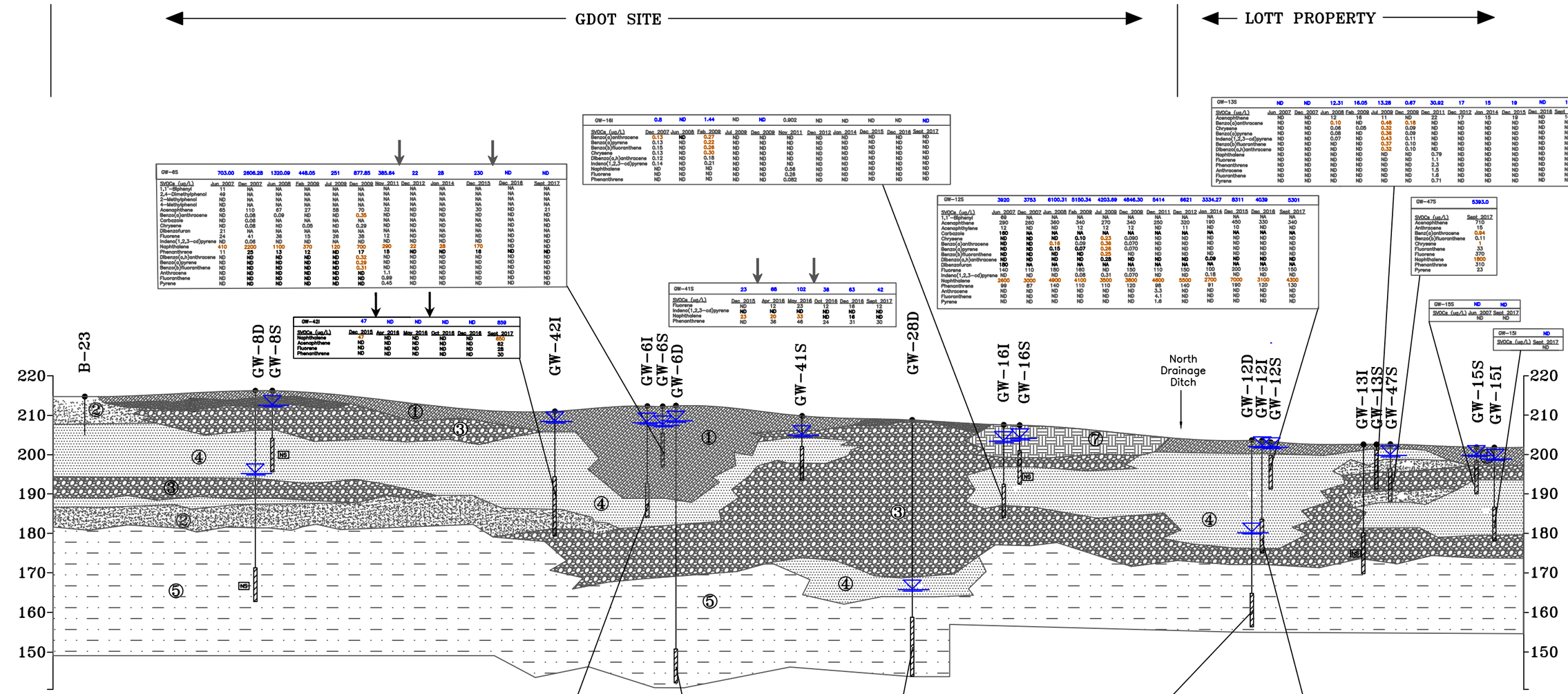
Wells GW-13I and GW-13S are transposed on the A-A' Cross-Section

CLIENT:	Georgia Department of Transportation	TITLE:	SITE MAP – Cross-Section Locations
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	10/16/2017	DESIGNED BY:	URS
SCALE:	As Shown	DRAWN BY:	J.P.VIGIL
FILE:	Lott GW_SW Results.dwg	CHECKED BY:	F.Nchako

URS

PROJ NO: 60440866
TASK: 3
FIGURE: 21

NOTE TO SELF...CHECK WELL SCREENS FOR 13I and 13S and 28I



GW-8S	703.00	2606.28	1320.09	448.05	251	877.85	385.84	22	28	230	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	65	110	67	27	58	70	32	ND	ND	30	ND	21
Benzo(a)anthracene	ND	0.08	0.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND
Carbazole	ND	0.08	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	0.08	ND	0.05	ND	0.29	ND	ND	ND	ND	ND	ND
Dibenzofuran	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	24	41	38	15	26	38	12	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.06	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Naphthalene	410	2200	1100	370	120	700	290	22	28	170	ND	ND
Phenanthrene	11	25	13	12	ND	17	15	ND	ND	16	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND

GW-42I	47	ND	ND	ND	ND	859
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	47	ND	ND	ND	ND	650
Acenaphthene	ND	ND	ND	ND	ND	62
Fluorene	ND	ND	ND	ND	ND	28
Phenanthrene	ND	ND	ND	ND	ND	30

GW-16I	0.8	ND	1.44	ND	ND	0.902	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	0.13	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.13	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.15	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.13	ND	0.30	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.12	ND	0.18	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.14	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	0.082	ND	ND	ND	ND	ND

GW-41S	23	68	102	36	63	42
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Fluorene	ND	12	23	12	16	12
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Naphthalene	23	20	33	ND	16	ND
Phenanthrene	ND	38	46	24	31	30

GW-12S	3920	3753	6100.31	5150.34	4203.89	4846.30	5414	6621	3334.27	8311	4039	5301
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	290	260	360	340	270	340	250	320	190	400	330	340
Acenaphthylene	12	ND	ND	12	12	12	ND	11	ND	10	ND	ND
Carbazole	160	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	ND	ND	0.10	0.23	0.090	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	0.16	0.09	0.36	0.070	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.15	0.07	0.28	0.070	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.25	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.28	ND	ND	ND	0.09	ND	ND	ND
Dibenzofuran	150	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	140	110	180	160	ND	150	110	150	200	150	150	150
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.08	0.31	0.070	ND	ND	0.18	ND	ND	ND
Naphthalene	2900	3000	4900	4100	3500	3800	4800	5000	2700	7000	3100	4300
Phenanthrene	99	87	140	110	110	120	98	140	91	190	120	130
Anthracene	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND

GW-13S	ND	ND	12.31	16.05	13.28	0.67	30.92	17	15	19	ND	16
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Acenaphthene	ND	ND	12	16	11	ND	22	17	15	19	ND	16
Benzo(a)anthracene	ND	ND	0.10	ND	0.48	0.18	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.08	0.05	0.32	0.09	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.08	ND	0.36	0.09	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.07	ND	0.43	0.11	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.37	0.10	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.32	0.10	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	0.79	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND

GW-47S	5383.0
SVOCs (ug/L)	Sept 2017
Acenaphthene	710
Anthracene	15
Benzo(a)anthracene	0.84
Benzo(b)fluoranthene	0.11
Chrysene	1
Fluoranthene	33
Fluorene	370
Naphthalene	1800
Phenanthrene	310
Pyrene	23

GW-15S	ND	ND
SVOCs (ug/L)	Jun 2007	Sept 2017
	ND	ND

GW-15I	ND
SVOCs (ug/L)	Sept 2017
	ND

GW-6I	4732.5	1662.59	1131.75	1311.79	6134.52	2534.45	5067.19	21	328	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND
Acenaphthene	55	ND	ND	ND	150	11	85	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.83	0.24	0.86	0.41	0.89	0.27	0.24	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.06	ND	0.41	0.06	0.10	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.17	0.11	0.35	ND	NA	ND	ND	ND	ND	ND	ND	ND
Carbazole	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.44	0.24	0.40	0.32	0.45	0.18	0.18	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	60	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA
Fluoranthene	ND	NA	ND	ND	10	ND	4.4	ND	ND	ND	ND	ND
Fluorene	28	ND	10	13	62	15	53	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.39	ND	0.06	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4100	1500	990	1100	5200	2200	4500	21	310	ND	ND	ND
Phenanthrene	39	20	20	28	61	38	39	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND

GW-28D	1.1	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2016	Sept 2017
Naphthalene	1.1	ND	ND	ND	ND

GW-12I	ND	5.64	5.64	0.10	0.72	ND	ND	ND	0.157	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	0.86	0.14	ND	0.42	ND	ND	ND	0.053	ND	ND	ND
Benzo(a)pyrene	ND	0.91	0.14	ND	0.050	ND	ND	ND	0.051	ND	ND	ND
Benzo(b)fluoranthene	ND	0.99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.85	ND	0.10	0.30	ND	ND	ND	0.053	ND	ND	ND
Dibenzo(a,h)anthracene	ND	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.98	ND	ND	0.050	ND	ND	ND	ND	ND	ND	ND

GW-6D	0.85	0.85	3.12	0.05	ND	ND	0.73	ND	ND	0.06	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Dec	June 2008	Feb 2008	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)pyrene	0.070	0.07	0.49	0.050	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.40	ND	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.38	0.07	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.07	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.08	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	0.57	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND	ND

GW-12D	ND	3.14	ND	4.3	19.34	1.44	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	ND	0.48	ND	1.2	0.25	0.46	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.50	ND	0.84	0.21	0.17	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.51	ND	0.51	0.24	0.19	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.52	ND	0.67	0.27	0.27	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	0.58	ND	0.61	0.18	0.17	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.55	ND	0.67	0.19	0.18	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	ND	ND

LEGEND

1. FILL, silty SANDS & CLAYS, gray, brown, black, orange, tan, some inorganic debris, trace rock fragment, moist to wet, plastic to non-plastic, (SM-ML) or (CL-ML)
2. Sandy CLAY or Clayey SAND, tan, red, gray, trace rock & silt, moist to wet, low plasticity, Coastal Plain (SC)
3. CLAY, gray, brown, white, some sand and silt, moist to wet, plastic, FILL or COASTAL PLAIN (CL-CH)
4. SAND, light gray, gray, tan, white, some silt, trace clay, dry to wet, non-plastic, COASTAL PLAIN (SM)
5. SAND (cemented) very dense, white, some rock, moist, non-plastic, COASTAL PLAIN (ML-SP)
6. Sandy SILT or Silty SAND, gray, brown, black, white trace clay, moist to wet, low to non-plastic, FILL or COASTAL PLAIN (ML-SM)
7. CLAY/CLAY SAND (fill material)

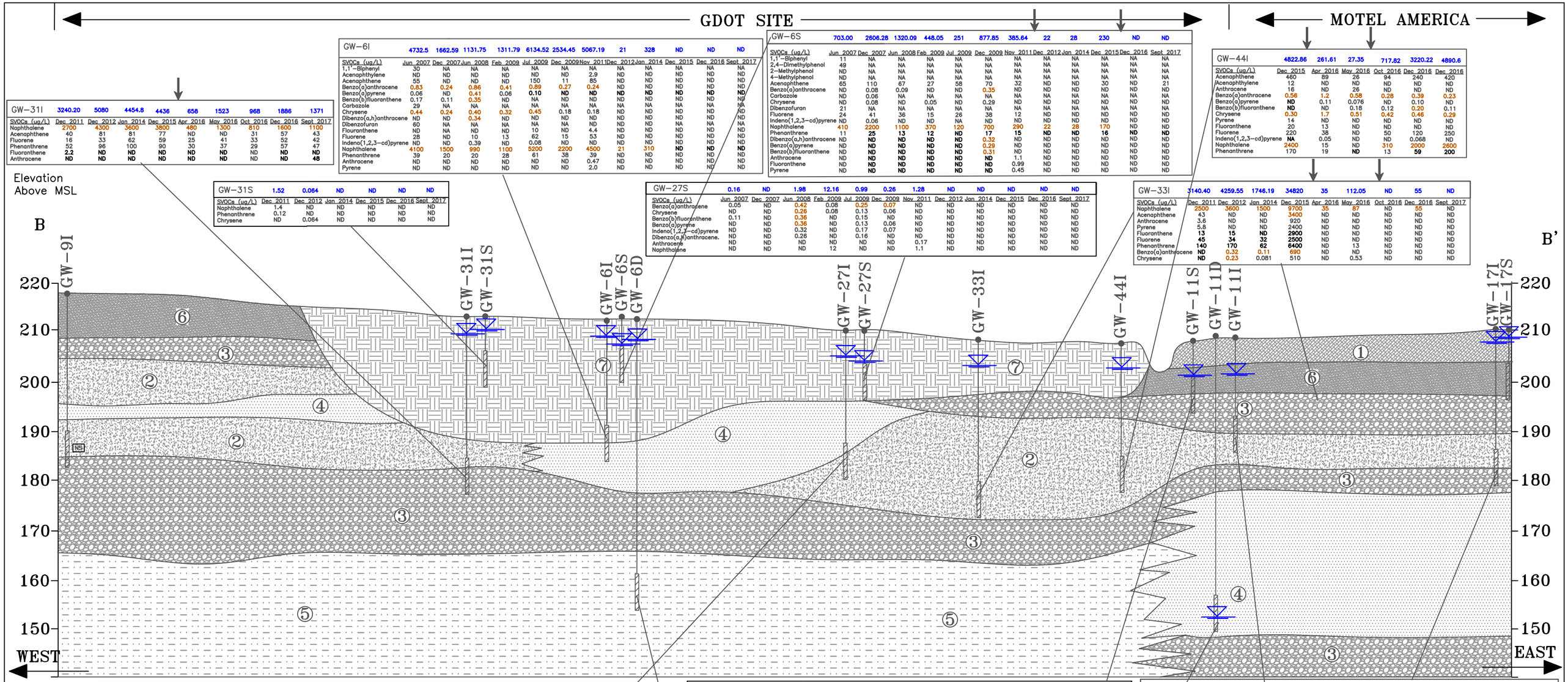
VERTICAL SCALE
SCALE IN FEET
20
10
0

HORIZONTAL SCALE
SCALE IN FEET
0
80
160

= Water Table
ND = Non-Detect
NS = Not Sampled (Soil Boring)
- = Not Analyzed
22 = Detection Above Type 1 RRS
= Modified Fenton's Reagent pilot test location
= Modified Fenton's Reagent full-scale location
All Results in ug/L

NOTES:
1. Distances between Well Pairs exaggerated to show detail.
2. Wells GW-13S and GW-13I have been transposed and do not accurately reflect the localized geology.

CLIENT:	Georgia Department of Transportation	TITLE:	Geologic Cross Section A – A'
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	January 2017 DESIGNED BY: AECOM	AECOM	PROJ NO. 60442995
SCALE:	As Shown DRAWN BY: K. Seo		SHEET 4
FILE:	NG CS-GEOLOGIC CROSS SECTION A-A.DWG CHECKED BY: J.P. Vigil		FIGURE 22



GW-31I	3240.20	5080	4454.8	4436	658	1523	968	1886	1371
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	2700	4300	3600	3800	480	1300	810	1600	1100
Acenaphthene	40	81	81	77	ND	ND	31	57	43
Fluorene	16	33	62	59	25	41	33	52	42
Phenanthrene	52	96	100	90	30	37	29	57	47
Fluoranthene	2.2	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	48

GW-6I	4732.5	1662.59	1131.75	1311.79	6134.52	2534.45	5067.19	21	328	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	ND
Acenaphthene	55	ND	ND	ND	150	11	85	ND	ND	ND	ND	ND
Benzo(a)anthracene	0.83	0.24	0.86	0.41	0.89	0.27	0.24	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.06	ND	0.41	0.06	0.10	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.17	0.11	0.35	ND	NA	ND	ND	ND	ND	ND	ND	ND
Carbazole	29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.44	0.24	0.40	0.32	0.45	0.18	0.18	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	60	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA
Flouranthene	ND	NA	ND	ND	10	ND	4.4	ND	ND	ND	ND	ND
Fluorene	28	ND	10	13	62	15	53	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.39	ND	0.08	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4100	1500	990	1100	5200	2200	4500	21	310	ND	ND	ND
Phenanthrene	39	20	20	28	61	38	39	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND

GW-6S	703.00	2606.28	1320.09	448.05	251	877.85	385.64	22	28	230	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	65	110	67	27	58	70	32	ND	ND	30	ND	21
Benzo(a)anthracene	ND	0.08	0.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND
Carbazole	ND	0.06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	0.08	ND	0.05	ND	0.29	ND	ND	ND	ND	ND	ND
Dibenzofuran	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	24	41	36	15	26	38	12	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	0.06	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND
Naphthalene	410	2200	1100	370	120	700	290	22	28	170	ND	ND
Phenanthrene	11	25	13	12	ND	17	15	ND	ND	16	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND

GW-44I	4822.86	261.61	27.35	717.82	3220.22	4890.6
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Dec 2016
Acenaphthene	460	89	26	94	240	420
Acenaphthylene	12	ND	ND	ND	ND	ND
Anthracene	16	ND	26	ND	ND	ND
Benzo(a)anthracene	0.56	1.2	0.58	0.28	0.39	0.23
Benzo(a)pyrene	ND	0.11	0.076	ND	0.10	ND
Benzo(b)fluoranthene	ND	ND	0.18	0.12	0.20	0.11
Chrysene	0.30	1.7	0.51	0.42	0.46	0.29
Pyrene	14	ND	ND	ND	ND	ND
Fluoranthene	20	13	ND	ND	ND	ND
Fluorene	220	38	ND	50	120	250
Indeno(1,2,3-cd)pyrene	NA	0.05	ND	ND	0.068	ND
Naphthalene	2400	15	ND	310	2000	2600
Phenanthrene	170	19	ND	13	59	200

GW-31S	1.52	0.064	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Naphthalene	1.4	ND	ND	ND	ND	ND
Phenanthrene	0.12	ND	ND	ND	ND	ND
Chrysene	ND	0.064	ND	ND	ND	ND

GW-27S	0.16	ND	1.98	12.16	0.99	0.26	1.28	ND	ND	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	0.05	ND	0.42	0.08	0.25	0.07	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.26	0.08	0.13	0.06	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.11	ND	0.36	ND	0.15	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.36	ND	0.13	0.06	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.32	ND	0.17	0.07	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene.	ND	ND	0.26	ND	0.16	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	12	ND	ND	1.1	ND	ND	ND	ND	ND

GW-33I	3140.40	4259.55	1746.19	34820	35	112.05	ND	55	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
Naphthalene	2500	3600	1500	9700	35	87	ND	55	ND
Acenaphthene	43	ND	ND	3400	ND	ND	ND	ND	ND
Anthracene	3.6	ND	ND	920	ND	ND	ND	ND	ND
Pyrene	5.8	ND	ND	2400	ND	ND	ND	ND	ND
Fluoranthene	13	15	ND	2900	ND	ND	ND	ND	ND
Fluorene	45	34	32	2500	ND	ND	ND	ND	ND
Phenanthrene	140	170	62	6400	ND	13	ND	ND	ND
Benzo(a)anthracene	ND	0.32	0.11	690	ND	ND	ND	ND	ND
Chrysene	ND	0.23	0.081	510	ND	0.53	ND	ND	ND

GW-27I	13642.38	9091.93	9951.86	12697.49	8415.43	9598.49	9663.18	9651.23	10,694.34	10961.4	4050.2	907.34	1131.04	1800.04	4136.7
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017
1,1'-Biphenyl	92	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	620	340	370	530	360	24	280	360	370	510	190	200	160	230	350
Acenaphthylene	ND	ND	ND	11	10	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	11	11	14	12	12	7	11	12	11	11	ND	11	ND	10
Benzo(a)anthracene	0.20	0.25	0.33	0.55	0.29	0.20	0.084	0.13	0.22	0.21	0.77	0.63	0.49	0.51	0.35
Benzo(a)pyrene	ND	0.12	0.11	0.41	ND	0.07	ND	ND	ND	ND	0.11	0.054	ND	ND	ND
Benzo(b)fluoranthene	ND	0.23	0.10	0.39	ND	ND	ND	ND	ND	ND	0.41	0.18	0.14	0.10	ND
Carbazole	350	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.11	0.24	0.13	0.49	0.14	0.16	ND	0.1	0.13	0.16	0.85	0.48	0.41	0.43	0.36
Dibenzo(a,h)anthracene	ND	ND	0.12	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	ND	ND	ND	ND	ND	ND	3.0	ND	ND	ND	ND	10	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	13	12	6.3	ND	12	ND	12	18	15	19	16
Fluorene	290	170	160	260	180	200	140	180	210	240	98	120	110	140	200
Indeno(1,2,3-cd)pyrene	0.07	0.09	0.07	0.34	ND	0.06	ND	ND	ND	ND	0.064	ND	ND	ND	ND
Naphthalene	10000	7500	8100	10000	6500	7900	8000	7700	8700	8700	3100	110	530	950	2700
Phenanthrene	120	160	120	180	150	180	110	130	170	180	98	98	81	130	170

GW-11S	ND	ND	0.26	0.27	ND	0.48	ND	ND	ND	1.44	0.057	0.057
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jun 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)pyrene	ND	ND	0.13	0.07	ND	0.08	ND	ND	ND	0.29	ND	0.17
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.11	ND	ND	ND	0.51	ND	0.38
Chrysene	ND	ND	ND	0.06	ND	0.09	ND	ND	ND	0.31	0.057	0.28
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.08	ND	0.10	ND	ND	ND	0.15	ND	0.14
Benzo(a)anthracene	ND	ND	0.13	0.06	ND	0.10	ND	ND	ND	0.18	ND	0.14

GW-17I	7.3	1.61	12	3.8	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2007	Jun 2008	Feb 2009	Jun 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
Benzo(a)anthracene	1.1	0.29	ND	0.85	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.2	0.32	ND	0.55	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.4	0.22	ND	0.63	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	0.28	ND	0.64	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.2	0.24	ND	0.56	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.2	0.26	ND	0.57	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND

GW-6D	0.85	0.85	3.12	0.05	ND	ND	0.73	ND	ND	0.06	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Dec 2007	Dup June 2008	Feb 2008	Jul 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017	
Benzo(a)pyrene	0.070	0.07	0.49	0.050	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.40	ND	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.38	0.07	0.51	ND	ND	ND	0.12	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.07	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.08	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	0.57	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND	ND	ND

GW-11D	0.70
SVOCs (ug/L)	Jun 2007
Benzo(a)anthracene	0.27
Benzo(a)pyrene	0.070
Dibenzo(a,h)anthracene	0.26
Indeno(1,2,3-cd)pyrene	0.10

GW-11I	3472.87	2320.77	3653.75	1916.51	2232.38	1477.59	1635.37	1834	713.32	1468.47	915.71	737.46
SVOCs (ug/L)	Jun 2007	Dec 2007	Jun 2008	Feb 2009	Jun 2009	Dec 2009	Nov 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017
1,1'-Biphenyl	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	36	ND
Acenaphthene	43	35	66	52	43	53	35	51	31	39	ND	23
Benzo(a)anthracene	0.09	0.10	0.18	0.63	0.29	0.05	ND	ND	ND	0.0533	0.064	0.057
Benzo(a)pyrene	0.14	0.13	0.12	0.54	0.17	0.10	ND	ND	0.052	0.065	0.11	0.079
Benzo(b)fluoranthene	0.34	0.25	0.21	0.65	0.18	0.20	ND	ND	0.13	0.19	0.26	0.13
Carbazole	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	0.16	0.15	0.10	0.61	0.16	0.12	ND	ND	0.083	0.16	0.18	0.092
Dibenzo(a,h)anthracene	ND	ND	ND	0.51	0.31	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	87	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
Fluoranthene	ND	ND	ND	ND	NA	ND	2.8	ND	ND	ND	ND	ND
Fluorene	39	33	66	48	41	54	38	56	40	ND	43	36
Indeno(1,2,3-cd)pyrene	0.14	0.14	0.13	0.57	0.27	0.12	ND	ND	0.053	52	0.10	0.1
Naphthalene	2900	2000	3100	1500	1900	1100	1400	1500	530	1300	750	610
Phenanthrene	48	45	81	65	51	64	36	56	24	39	26	20
Pyrene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND

LEGEND

① FILL, silty SANDS & CLAYS, gray, brown, black, orange, tan, some inorganic debris, trace rock fragment, moist to wet, plastic to non-plastic, (SM-ML) or (CL-ML)

② Sandy CLAY or Clayey SAND, tan, red, gray, trace rock & silt, moist to wet, low plasticity, Coastal Plain (SC)

③ CLAY, gray, brown, white, some sand and silt, moist to wet, plastic, FILL or COASTAL PLAIN (CL-CH)

④ SAND, light gray, gray, tan, white, some silt, trace clay, dry to wet, non-plastic, COASTAL PLAIN (SM)

⑤ SAND (cemented) very dense, white, some rock, moist, non-plastic, COASTAL PLAIN (ML-SP)

⑥ Sandy SILT or Silty SAND, gray, brown, black, white trace clay, moist to wet, low to non-plastic, FILL or COASTAL PLAIN (ML-SM)

⑦ CLAY/CLAY SAND (fill material)

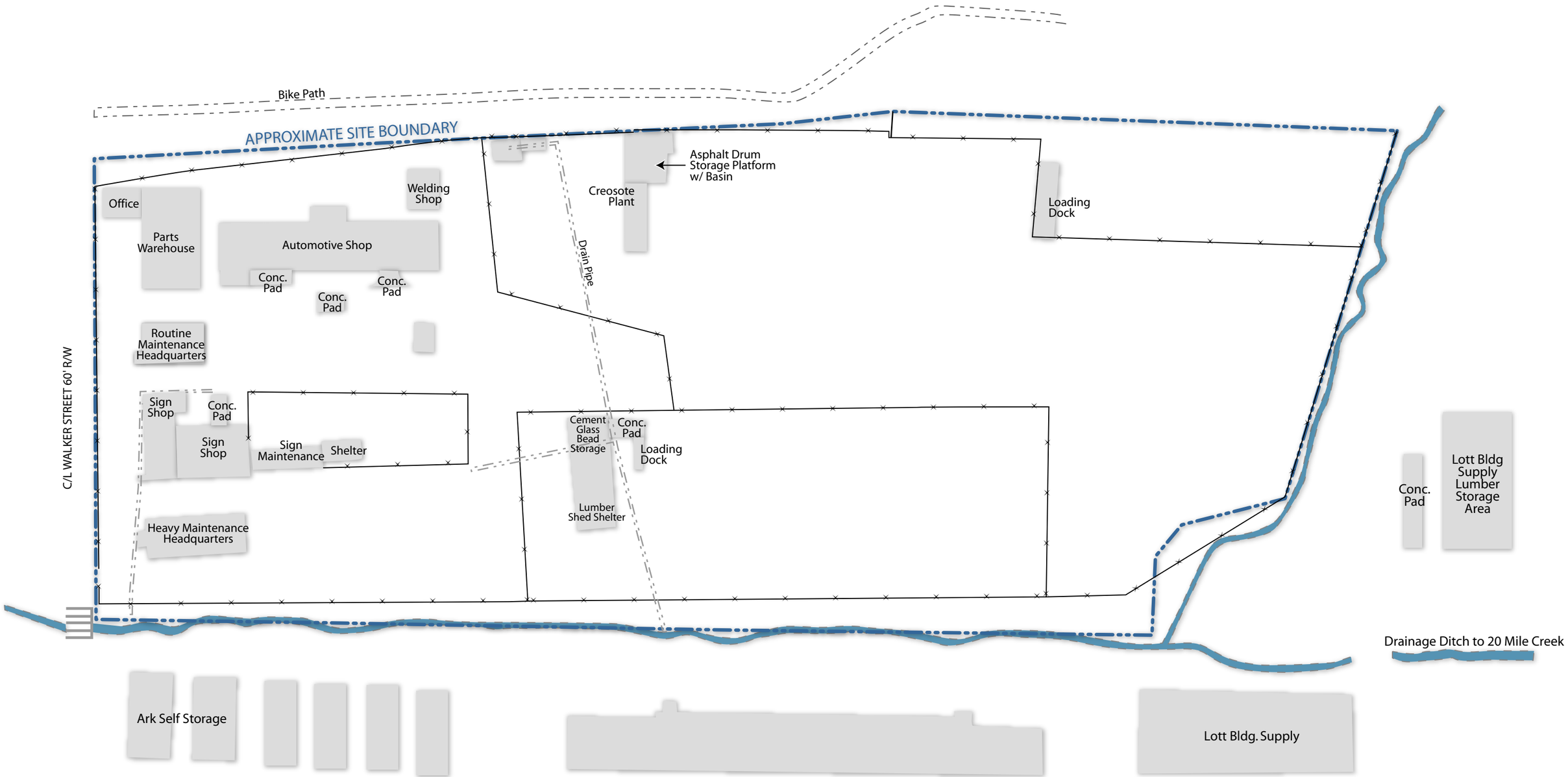
VERTICAL SCALE
SCALE IN FEET
20
10
0

HORIZONTAL SCALE
SCALE IN FEET
0 50 100

All Results in ug/L

▽ = Water Table
ND = Non-Detect
NS = Not Sampled (Soil Boring)
- = Not Analyzed
22 = Detection Above Type 1 RRS
↓ = Modified Fenton's Reagent pilot test location

CLIENT: Georgia Department of Transportation		TITLE: Geologic Cross Section B – B'	
PROJECT: Walker Street Site, Former GADOT Maintenance Facility			
DATE: January 2017	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440886
SCALE: As Shown	DRAWN BY: K. Seo		DSRG: 8
FILE: Fig 08-Geologic Cross Section B-B.dwg	CHECKED BY: J.P. Vigil		FIGURE: 23



CLIENT: Georgia Department of Transportation		TITLE: Site Schematic (Before Excavation & Building Demolition Activities)	
PROJECT: Walker Street Site, Former GADOT Maintenance Facility			
DATE: 03/29/2005	DESIGNED BY: EMCON	AECOM	PROJ NO.: 60440866
SCALE: As Shown	DRAWN BY: J. Anderson		TASK: 4
FILE: R:\jamie\proj\GADOT\WalkerSt\jan 2005\Fig 2_Site Schematic.ai	CHECKED BY: F. Nchako		FIGURE: 24

Tables

Table 1
Summary Soil Sampling Analytical Results
Lott Property, Douglas, Georgia

Sample (Soil Depth)	Date Collected	VOCs (8260B)					Lead (6010C)	Percent Moisture	PAH + SIM (8270D)															
		2-Butanone	Acetone	Isopropylbenzene	Methyl acetate	Methylcyclohexane	Lead		Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene*	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Units		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Residential RRS		**200,000**	**400,000**	**NE**	**NE**	**NE**	**275**		**300,000**	**130,000**	**500,000**	**5,000**	**1,640**	**5,000**	**500,000**	**5,000**	**5,000**	**2,000**	**500,000**	**360,000**	**5,000**	**100,000**	**110,000**	**500,000**
Non-Residential RRS		**200,000**	**400,000**	**NE**	**NE**	**NE**	**400**		**300,000**	**130,000**	**1,009,000**	**9,210**	**1,640**	**5,000**	**500,000**	**46,000**	**141,000**	**5,000**	**500,000**	**360,000**	**15,000**	**100,000**	**110,000**	**500,000**
LOTT SB-1(0-2)	8/10/2017	<31	68	<3.1	<3.1	<3.1	5.09	12.3	<19	<38	14	5.1	11	36	17	<1.9	11	<3.8	8.9	4.5	16	<19	7.5	7.9
LOTT SB-1(2-4)	8/10/2017	<34	75	<3.4	<3.4	<3.4	37.3	21	88	79	270	540	390	790	270	300	930	60	390	100	300	<22	360	730
LOTT SB-2(0-2)	8/10/2017	<37	120	<3.7	<3.7	<3.7	51.7	16.4	<20	100	270	130	210	390	320	59	140	53	260	36	330	<20	100	220
LOTT SB-2(2-4)	8/10/2017	<38	170	<3.8	<3.8	<3.8	71.1	23.2	88	74	340	190	210	430	230	75	240	57	640	90	240	28	260	500
LOTT SB-3(0-2)	8/10/2017	<34	69	4.5	<3.4	<3.4	50.1	15.1	<20	49	52	290	270	380	210	120	320	57	630	29	200	23	340	470
LOTT SB-3(2-4)	8/10/2017	<32	<64	36	<3.2	<3.2	16.1	14.9	2200	<39	12	48	45	84	40	21	50	9.6	100	990	37	260	200	81
LOTT SB-4(0-2)	8/10/2017	<36	<71	<3.6	<3.6	<3.6	26.6	18.3	<21	<40	32	150	130	230	110	140	140	27	300	13	100	<21	150	230
LOTT SB-4(2-4)	8/10/2017	<29	<59	<2.9	<2.9	<2.9	5.87	17.9	30	<40	18	110	93	250	85	61	180	18	370	10	91	<21	310	270
LOTT SB-5(0-2)	8/9/2017	<32	66	<3.2	<3.2	<3.2	31.6	12.4	<19	57	140	93	100	280	120	54	120	25	170	17	130	40	77	160
LOTT SB-5(2-4)	8/9/2017	<1800	<3500	<180	190	<180	84.8	22.7	120	410	760	340	1400	2500	990	340	1200	200	650	150	190	140	280	600
LOTT SB-6(0-2)	8/9/2017	<34	<68	<3.4	<3.4	<3.4	12.3	18.7	<21	<41	42	44	37	96	48	21	60	9.3	94	<4.1	42	<21	45	91
LOTT SB-6(2-4)	8/9/2017	<30	66	<3.0	<3.0	<3.0	11.1	14.4	<20	<39	15	4.8	6.3	14	12	2.8	7.6	<3.9	8.6	6.7	8.5	<20	6.6	8.9
LOTT SB-7(0-2)	8/9/2017	<33	<66	<3.3	<3.3	<3.3	<5.40	13.1	<20	<38	6.7	6.5	6	13	5.8	2.8	6.6	<3.8	12	<3.8	5.3	<20	4.8	9.5
LOTT SB-7(2-4)	8/9/2017	<49	<98	<4.9	<4.9	<4.9	379	37.8	300	130	380	480	440	900	420	210	610	88	730	430	370	210	520	880
LOTT SB-8(0-2)	8/9/2017	<30	<59	<3.0	<3.0	<3.0	5.82	15.1	<20	<39	6.7	8.8	11	36	11	6.7	20	<3.9	13	<3.9	8.2	<20	3.8	14
LOTT SB-8(2-4)	8/9/2017	<34	<69	<3.4	<3.4	<3.4	6.86	15.9	<20	<39	<2.0	<2.0	<2.0	<3.9	<3.9	<2.0	<2.0	<3.9	<3.9	<3.9	<2.0	<20	<2.0	<2.0
LOTT SB-9(0-2)	8/9/2017	<34	<68	<3.4	<3.4	<3.4	8.17	15.9	<20	<39	<2.0	<2.0	2.6	7.2	4.5	<2.0	3.3	<3.9	<3.9	<3.9	3.7	<20	2.3	4.2
LOTT SB-9(2-4)	8/9/2017	<57	250	<5.7	<5.7	6.7	193	42.5	300	<57	200	210	180	470	200	100	310	35	370	360	160	120	230	530
LOTT SB-10(0-2)	8/10/2017	<39	<78	8.8	<3.9	<3.9	17	19.5	220	<41	31	33	38	68	44	20	39	11	65	28	41	98	33	55
LOTT SB-10(2-4)	8/10/2017	<42	93	270	<4.2	<4.2	70.3	27.9	64000	800	13000	**9700**	**2300**	4500	820	1600	**7700**	220	72000	50000	800	5200	**120000**	40000
LOTT SB-11(0-2)	8/10/2017	<33	<67	<3.3	<3.3	<3.3	26.5	13.5	55	<38	93	78	54	140	78	32	76	19	300	110	69	<20	400	220
LOTT SB-11(2-4)	8/10/2017	72	370 E	<4.0	<4.0	<4.0	97.7	26.6	<2300	<4500	8900	6100	**2100**	**5900**	1200	1700	**6900**	320	4900	1800	250	61	2800	8700
LOTT SB-12(0-2)	8/9/2017	<37	<75	<3.7	<3.7	<3.7	7.99	18.7	<21	<41	6.9	6.4	5.5	16	6.4	3.5	8.1	<4.1	10	6.4	5.3	<21	5.2	12
LOTT SB-12(2-4)	8/9/2017	<36	<71	<3.6	<3.6	<3.6	46.1	14	<20	<38	45	51	60	150	58	28	67	13	77	12	54	<20	39	81
LOTT SB-13(0-2)	8/10/2017	NA	NA	NA	NA	NA	17.3	13.5	<20	<38	51	130	110	230	83	63	120	23	260	16	15	<20	120	230
LOTT SB-13(2-4)	8/10/2017	NA	NA	NA	NA	NA	39.8	18.8	32	<41	36	160	120	220	89	58	140	24	310	17	15	<21	130	270
LOTT SB-14 (2-4)	9/19/2017	<29	<58	<2.9	<2.9	<2.9	26.1	13	<20	<38	28	70	68	130	58	100	95	5.2	160	6.6	43	10	91	140
LOTT SB-16 (2-4)	9/19/2017	<29	<57	<2.9	<2.9	<2.9	36.2	NA	<19	<37	64	64	79	150	72	48	82	9.3	95	4.3	59	<19	30	99

Notes:

RRS - Risk Reduction Standard
NA - Not Analyzed
NE - Not Established
E - Estunated (value above quantitation range)
VOCs - Volatile Organic Compounds
PAHs - Polyaromatic Hydrocarbons
mg/kg - milligrams per kilogram
µg/kg - microgram per kilogram

SIMs - Selective Ion Monitoring
BOLD - Value exceeds the Residential RRS value
Shaded - Value exceeds the non-residential RRS value
Residential RRS Higher value of Type 1 and 2 RRS/ Referred to as Type 2 RRS on Revised Table 8 (second revision) of the VIRP
Non-Residential RRS - Lower value of the 0-2 ft and >2 ft non-residential RRS; referred to as Type 4 RRS on revised Table 9 (second revision) of the VIRP
* Type 4 RRS was calucated and used as the non-residential RRS value.
Soil depth is reported in feet below ground surface

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Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-1I	9/21/2004	210.34	209.86	38.62	1.59	208.27
	12/6/2004				2.02	207.84
	3/21/2005				2.87	206.99
	6/13/2005				2.27	207.59
	8/18/2005				1.97	207.89
	11/29/2005				2.93	206.93
	2/27/2006				1.59	208.27
	6/5/2006				2.59	207.27
	12/5/2006				4.06	205.80
	6/5/2007				3.50	206.36
	12/11/2007				2.95	206.91
	6/9/2008				3.13	206.73
	2/2/2009				1.86	208.00
	6/29/2009				2.51	207.35
	12/7/2009				1.70	208.16
	11/28/2011	210.49	210.11		3.16	206.95
	12/10/2012				3.79	206.32
	1/12/2014				1.81	208.30
	12/3/2015				2.01	208.10
	12/5/2016				4.40	205.71
	9/7/2017				**2.51**	**207.60**
GW-1S	9/21/2004	210.04	210.58	11.45	3.61	206.97
	12/6/2004				4.19	206.39
	3/21/2005				2.53	208.05
	6/13/2005				3.73	206.85
	8/18/2005				3.53	207.05
	11/29/2005				3.88	206.70
	2/27/2006				2.63	207.95
	6/5/2006				4.65	205.93
	12/5/2006				5.34	205.24
	6/5/2007				3.77	206.81
	12/11/2007				5.02	205.56
	6/9/2008				4.54	206.04
	2/2/2009				3.62	206.96
	6/29/2009				4.01	206.57
	12/7/2009				2.55	208.03
	11/28/2011	210.74	210.78		4.24	206.54
	12/10/2012				4.89	205.89
	1/12/2014				2.34	208.44
	12/3/2015				2.16	208.62
	12/5/2016				5.48	205.30
	9/7/2017				**3.68**	**207.10**
GW-3D	9/21/2004	208.35	208.18	63.60	63.00	145.18
	12/6/2004				63.21	144.97
	3/21/2005				63.37	144.81
	6/13/2005				62.80	145.38
	8/18/2005				DRY	DRY
	11/29/2005				63.45	144.73
	2/27/2006				63.38	144.80

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Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
MW-3D (cont'd)	6/5/2006	208.35	208.18	63.60	NG	NG
	12/5/2006				DRY	DRY
	6/5/2007				63.36	144.82
	12/11/2007				DRY	DRY
	6/9/2008				63.40	144.78
	2/2/2009				DRY	DRY
	6/29/2009				DRY	DRY
	12/7/2009				63.45	144.73
	11/28/2011	208.64	208.58		63.02	145.56
	12/10/2012				63.45	145.13
	1/12/2014				DRY	DRY
	12/3/2015				DRY	DRY
	12/5/2016				DRY	DRY
	9/7/2017				**DRY**	**DRY**
GW-3I	9/21/2004	208.32	208.16	34.90	3.31	204.85
	12/6/2004				3.90	204.26
	3/21/2005				3.83	204.33
	6/13/2005				3.72	204.44
	8/18/2005				3.62	204.54
	11/29/2005				5.42	202.74
	2/27/2006				2.86	205.30
	6/5/2006				4.84	203.32
	12/5/2006				7.51	200.65
	6/5/2007				8.56	199.60
	12/11/2007				8.69	199.47
	6/9/2008				5.93	202.23
	2/2/2009				3.67	204.49
	6/29/2009				3.99	204.17
	12/7/2009				3.14	205.02
	11/28/2011	208.70	208.38		4.89	203.49
	12/10/2012				4.65	203.73
	1/12/2014				3.85	204.53
	12/3/2015				3.63	204.75
	12/5/2016				5.50	202.88
	9/7/2017				**3.77**	**204.61**
GW-3S	9/21/2004	208.55	208.31	19.83	3.22	205.09
	12/6/2004				3.77	204.54
	3/21/2005				3.63	204.68
	6/13/2005				3.62	204.69
	8/18/2005				4.90	203.41
	11/29/2005				7.24	201.07
	2/27/2006				2.71	205.60
	6/5/2006				4.52	203.79
	12/5/2006				5.04	203.27
	6/5/2007				6.04	202.27
	12/11/2007				8.58	199.73
	6/9/2008				7.05	201.26
	2/2/2009				3.93	204.38
	6/29/2009				4.07	204.24
	12/7/2009				3.37	204.94

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Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-3S (cont'd)	11/28/2011	208.75	208.69	19.83	3.92	204.77
	12/10/2012				4.71	203.98
	1/12/2014				3.75	204.94
	12/3/2015				3.44	205.25
	12/5/2016				3.93	204.76
	9/7/2017				**4.24**	**204.45**
GW-5I	9/21/2004	NS	NS	26.10	2.02	NS
	12/6/2004				2.60	NS
	3/21/2005				2.11	NS
	6/13/2005				2.97	NS
	8/18/2005				2.00	NS
	11/29/2005				3.18	NS
	2/27/2006				1.90	NS
	6/5/2006				4.48	NS
	12/5/2006				6.22	NS
	6/5/2007				4.64	NS
	12/11/2007				4.84	NS
	6/9/2008				4.48	NS
	2/2/2009				2.85	NS
	6/29/2009				3.32	NS
	12/7/2009				2.05	NS
	11/28/2011	212.23	212.06		4.24	207.82
	12/10/2012				5.23	206.83
	1/12/2014				2.15	209.91
	12/3/2015				2.92	209.14
	12/5/2016				5.99	206.07
	9/7/2017				**3.25**	**208.81**
GW-5S	9/21/2004	212.30	212.18	14.68	0.25	211.93
	12/6/2004				0.51	211.67
	3/21/2005				0.00	212.18
	6/13/2005				0.89	211.29
	8/18/2005				0.26	211.92
	11/29/2005				1.22	210.96
	2/27/2006				0.00	212.18
	6/5/2006				3.15	209.03
	12/5/2006				4.94	207.24
	6/5/2007				2.50	209.68
	12/11/2007				3.86	208.32
	6/9/2008				1.47	210.71
	2/2/2009				0.70	211.48
	6/29/2009				1.25	210.93
	12/7/2009				0*	NA
	11/28/2011	212.47	212.40		2.65	209.75
	12/10/2012				3.54	208.86
	1/12/2014				0.02	212.38
	12/3/2015				0.12	212.28
	12/5/2016				4.64	207.76
	9/7/2017				**1.64**	**210.76**

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Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-6D	9/21/2004	212.22	212.03	65.00	2.80	209.23
	12/6/2004				3.44	208.59
	3/21/2005				2.36	209.67
	6/13/2005				3.73	208.30
	8/18/2005				2.55	209.48
	11/29/2005				4.62	207.41
	2/27/2006				2.24	209.79
	6/5/2006				5.04	206.99
	12/5/2006				6.94	205.09
	6/5/2007				6.02	206.01
	12/11/2007				8.98	203.05
	6/9/2008				4.60	207.43
	2/2/2009				3.99	208.04
	6/29/2009				3.76	208.27
	12/7/2009				3.10	208.93
	11/28/2011	212.61	212.44		5.41	207.03
	12/10/2012				5.58	206.86
	1/12/2014				3.19	209.25
	12/3/2015				3.53	208.91
	12/5/2016				5.95	206.49
	9/7/2017				**4.24**	**208.20**
GW-6I	9/21/2004	211.72	211.52	35.10	3.95	207.57
	12/6/2004				3.93	207.59
	3/21/2005				3.49	208.03
	6/13/2005				3.48	208.04
	8/18/2005				2.79	208.73
	11/29/2005				4.11	207.41
	2/27/2006				2.51	209.01
	6/5/2006				4.89	206.63
	12/5/2006				7.37	204.15
	6/5/2007				7.49	204.03
	12/11/2007				12.75	198.77
	6/9/2008				6.85	204.67
	2/2/2009				4.79	206.73
	6/29/2009				3.88	207.64
	12/7/2009				5.90	205.62
	11/28/2011	212.10	211.93		5.90	206.03
	12/10/2012				6.07	205.86
	1/12/2014				3.37	208.56
	12/3/2015				3.75	208.18
	12/5/2016				6.32	205.61
	9/7/2017				**4.03**	**207.90**
GW-6S	9/21/2004	212.24	212.41	15.23	6.41	206.00
	12/6/2004				5.63	206.78
	3/21/2005				4.92	207.49
	6/13/2005				3.30	209.11
	8/18/2005				4.20	208.21

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Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-6S (cont'd)	11/29/2005	212.24	212.41	15.23	6.33	206.08
	2/27/2006				5.12	207.29
	6/5/2006				5.20	207.21
	12/5/2006				8.93	203.48
	6/5/2007				3.24	209.17
	12/11/2007				8.48	203.93
	6/9/2008				5.04	207.37
	2/2/2009				4.16	208.25
	6/29/2009				3.94	208.47
	12/7/2009				1.86	210.55
	11/28/2011	212.65	212.53		7.15	205.38
	12/10/2012				7.83	204.70
	1/12/2014				3.12	209.41
	12/3/2015				1.45	211.08
	12/5/2016				8.49	204.04
	9/7/2017				**5.56**	**206.97**
GW-7I	9/21/2004	208.59	207.30	31.91	2.03	205.27
	12/6/2004				2.45	204.85
	3/21/2005				1.43	205.87
	6/13/2005				2.68	204.62
	8/18/2005				2.20	205.10
	11/29/2005				2.71	204.59
	2/27/2006				1.52	205.78
	6/5/2006				4.15	203.15
	12/5/2006				6.20	201.10
	6/5/2007				3.13	204.17
	12/11/2007				5.25	202.05
	6/9/2008				3.73	203.57
	2/2/2009				1.89	205.41
	6/29/2009				2.85	204.45
	12/7/2009				1.23	206.07
	11/28/2011	207.73	207.75		3.95	203.80
	12/10/2012				4.16	203.59
	1/12/2014				2.91	204.84
	12/3/2015				1.62	206.13
	12/5/2016				5.57	202.18
	9/7/2017				**3.24**	**204.51**
GW-8D	9/21/2004	215.86	215.92	65.00	20.43	195.49
	12/6/2004				20.14	195.78
	3/21/2005				19.74	196.18
	6/13/2005				20.40	195.52
	8/18/2005				21.51	194.41
	11/29/2005				21.30	194.62
	2/27/2006				19.12	196.80
	6/5/2006				20.88	195.04
	12/5/2006				25.63	190.29
	6/5/2007				22.19	193.73

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GW-8D (cont'd)	12/11/2007	215.86	215.92	65.00	21.65	194.27
	6/9/2008				21.17	194.75
	2/2/2009				20.05	195.87
	6/29/2009				DRY	DRY
	12/7/2009				1.97	213.95
	11/28/2011	216.20	216.12		4.79	211.33
	12/10/2012				6.26	209.86
	1/12/2014				1.83	214.29
	12/3/2015				1.76	214.36
	12/5/2016				6.04	210.08
	9/7/2017				**20.62**	**195.50**
GW-8S	9/21/2004	NS	NS	18.80	2.18	NS
	12/6/2004				2.82	NS
	3/21/2005				1.90	NS
	6/13/2005				3.32	NS
	8/18/2005				2.46	NS
	11/29/2005				3.15	NS
	2/27/2006				1.61	NS
	6/5/2006				5.62	NS
	12/5/2006				7.23	NS
	6/5/2007				3.63	NS
	12/11/2007				6.82	NS
	6/9/2008				5.24	NS
	2/2/2009				2.98	NS
	6/29/2009				3.82	NS
	12/7/2009				1.68	NS
	11/28/2011	316.21	216.07		4.51	211.56
	12/10/2012				6.19	209.88
	1/12/2014				1.63	214.44
	12/3/2015				1.56	214.51
	12/5/2016				5.81	210.26
	9/7/2017				**3.66**	**212.41**
GW-9I	DESTROYED					
GW-9S	DESTROYED					
GW-10I	9/21/2004	210.24	210.21	29.20	4.52	205.69
	12/6/2004				5.07	205.14
	3/21/2005				5.13	205.08
	6/13/2005				5.05	205.16
	8/18/2005				4.42	205.79
	11/29/2005				5.15	205.06
	2/27/2006				4.79	205.42
	6/5/2006				5.76	204.45
	12/5/2006				6.32	203.89
	6/5/2007				5.69	204.52

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-10I (cont'd)	12/11/2007	210.24	210.21	29.20	6.14	204.07
	6/9/2008				5.63	204.58
	2/2/2009				5.17	205.04
	6/29/2009				5.21	205.00
	12/7/2009				4.76	205.45
	11/28/2011	210.57	210.42		5.99	204.43
	12/10/2012				6.35	204.07
	1/12/2014				2.29	208.13
	12/3/2015				5.07	205.35
	12/5/2016				6.50	203.92
	9/7/2017				**5.12**	**205.30**
GW-10S	9/21/2004	210.07	209.84	13.65	6.98	202.86
	12/6/2004				7.23	202.61
	3/21/2005				6.88	202.96
	6/13/2005				7.00	202.84
	8/18/2005				6.71	203.13
	11/29/2005				7.14	202.70
	2/27/2006				6.76	203.08
	6/5/2006				7.56	202.28
	12/5/2006				8.00	201.84
	6/5/2007				7.43	202.41
	12/11/2007				7.68	202.16
	6/9/2008				7.36	202.48
	2/2/2009				7.23	202.61
	6/29/2009				10.09	199.75
	12/7/2009				6.88	202.96
	11/28/2011	210.30	210.05		7.68	202.37
	12/10/2012				7.76	202.29
	1/12/2014				7.14	202.91
	12/3/2015				6.90	203.15
	12/5/2016				8.28	201.77
	9/7/2017				**6.77**	**203.28**
GW-11D	9/21/2004	208.92	208.84	71.00	68.47	140.37
	12/6/2004				68.42	140.42
	3/21/2005				68.41	140.43
	6/13/2005				68.49	140.35
	8/18/2005				68.48	140.36
	11/29/2005				68.51	140.33
	2/27/2006				68.47	140.37
	6/5/2006				NG	NG
	12/5/2006				DRY	DRY
	6/5/2007				54.72	154.12
	12/11/2007				56.34	152.50
	6/9/2008				57.56	151.28
	2/2/2009				58.50	150.34
	6/29/2009				60.04	148.80
	12/7/2009				60.48	148.36

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-11D (cont'd)	11/28/2011	209.20	209.02	71.00	66.06	142.96
	12/10/2012				DRY	DRY
	1/12/2014				DRY	DRY
	12/3/2015				7.46	201.56
	12/5/2016				DRY	DRY
	9/7/2017				**56.48**	**152.54**
GW-11I	9/21/2004	208.94	208.78	23.73	7.86	200.92
	12/6/2004				8.29	200.49
	3/21/2005				7.70	201.08
	6/13/2005				8.26	200.52
	8/18/2005				7.90	200.88
	11/29/2005				8.25	200.53
	2/27/2006				7.44	201.34
	6/5/2006				8.89	199.89
	12/5/2006				9.53	199.25
	6/5/2007				8.43	200.35
	12/11/2007				9.00	199.78
	6/9/2008				8.98	199.80
	2/2/2009				8.02	200.76
	6/29/2009				8.41	200.37
	12/7/2009				7.43	201.35
	11/28/2011	209.39	209.12		8.44	200.68
	12/10/2012				9.07	200.05
	1/12/2014				7.70	201.42
	12/3/2015				7.61	201.51
	12/5/2016				8.85	200.27
	9/7/2017				**7.64**	**201.48**
GW-11S	9/21/2004	208.96	208.52	12.52	8.01	200.51
	12/6/2004				8.14	200.38
	3/21/2005				7.59	200.93
	6/13/2005				7.98	200.54
	8/18/2005				7.71	200.81
	11/29/2005				8.24	200.28
	2/27/2006				7.50	201.02
	6/5/2006				8.39	200.13
	12/5/2006				8.87	199.65
	6/5/2007				8.71	199.81
	12/11/2007				8.59	199.93
	6/9/2008				8.60	199.92
	2/2/2009				7.69	200.83
	6/29/2009				8.21	200.31
	12/7/2009				7.71	200.81
	11/28/2011	209.18	208.81		8.38	200.43
	12/10/2012				8.42	200.39
	1/12/2014				7.80	201.01
	12/3/2015				7.16	201.65
	12/5/2016				8.41	200.40
	9/7/2017				**7.54**	**201.27**

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-12D	9/21/2004	203.41	203.09	58.32	22.69	180.40
	12/6/2004				22.02	181.07
	3/21/2005				21.84	181.25
	6/13/2005				22.52	180.57
	8/18/2005				22.55	180.54
	11/29/2005				22.96	180.13
	2/27/2006				21.59	181.50
	6/5/2006				23.67	179.42
	12/5/2006				25.73	177.36
	6/5/2007				24.24	178.85
	12/11/2007				25.35	177.74
	6/9/2008				23.09	180.00
	2/2/2009				21.90	181.19
	6/29/2009				22.17	180.92
	12/7/2009				22.63	180.46
	11/28/2011	203.66	203.51		24.70	178.81
	12/10/2012				24.79	178.72
	1/12/2014				23.28	180.23
	12/3/2015				23.78	179.73
	12/5/2016				24.59	178.92
	9/7/2017				**23.69**	**179.82**
GW-12I	9/21/2004	203.49	203.31	35.98	1.60	201.71
	12/6/2004				1.84	201.47
	3/21/2005				2.05	201.26
	6/13/2005				1.48	201.83
	8/18/2005				8.24	195.07
	11/29/2005				2.41	200.90
	2/27/2006				2.77	200.54
	6/5/2006				2.48	200.83
	12/5/2006				3.02	200.29
	6/5/2007				5.49	197.82
	12/11/2007				3.01	200.30
	6/9/2008				2.02	201.29
	2/2/2009				1.82	201.49
	6/29/2009				1.85	201.46
	12/7/2009				1.90	201.41
	11/28/2011	203.87	203.78		2.34	201.44
	12/10/2012				2.89	200.89
	1/12/2014				2.29	201.49
	12/3/2015				1.98	201.80
	12/5/2016				3.61	200.17
	9/7/2017				**1.84**	**201.94**
GW-12S	9/21/2004	203.16	202.71	15.25	1.62	201.09
	12/6/2004				1.53	201.18
	3/21/2005				1.45	201.26
	6/13/2005				0.73	201.98
	8/18/2005				1.56	201.15

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-12S (cont'd)	11/29/2005	203.16	202.71	15.25	1.63	201.08
	2/27/2006				2.56	200.15
	6/5/2006				1.76	200.95
	12/5/2006				2.37	200.34
	6/5/2007				1.87	200.84
	12/11/2007				2.76	199.95
	6/9/2008				3.62	199.09
	2/2/2009				4.15	198.56
	6/29/2009				1.33	201.38
	12/7/2009				3.00	199.71
	11/28/2011	203.60	203.13		1.52	201.61
	12/10/2012				1.40	201.73
	1/12/2014				1.78	201.35
	12/3/2015				1.40	201.73
	12/5/2016				2.68	200.45
	9/7/2017				**1.64**	**201.49**
GW-13I	9/21/2004	202.17	201.78	30.73	2.91	198.87
	12/6/2004				3.45	198.33
	3/21/2005				3.33	198.45
	6/13/2005				3.33	198.45
	8/18/2005				NG	NG
	11/29/2005				3.73	198.05
	2/27/2006				3.22	198.56
	6/5/2006				3.65	198.13
	12/5/2006				3.98	197.80
	6/5/2007				2.86	198.92
	12/11/2007				3.22	198.56
	6/9/2008				3.32	198.46
	2/2/2009				3.56	198.22
	6/29/2009				2.12	199.66
	12/7/2009				3.32	198.46
	11/28/2011	202.52	202.17		3.77	198.40
	12/10/2012				3.94	198.23
	1/12/2014				3.48	198.69
	12/3/2015				3.42	198.75
	12/5/2016				4.19	197.98
	9/7/2017				**3.34**	**198.83**
GW-13S	9/21/2004	202.20	201.76	11.22	3.88	197.88
	12/6/2004				4.11	197.65
	3/21/2005				3.70	198.06
	6/13/2005				4.20	197.56
	8/18/2005				4.13	197.63
	11/29/2005				3.80	197.96
	2/27/2006				3.07	198.69
	6/5/2006				4.66	197.10
	12/5/2006				4.72	197.04
	6/5/2007				3.19	198.57

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-13S (cont'd)	12/11/2007	202.20	201.76	11.22	3.80	197.96
	6/9/2008				3.58	198.18
	2/2/2009				4.13	197.63
	6/29/2009				4.44	197.32
	12/7/2009				3.63	198.13
	11/28/2011	202.45	202.19		4.52	197.67
	12/10/2012				4.61	197.58
	1/12/2014				3.75	198.44
	12/3/2015				3.27	198.92
	12/5/2016				5.18	197.01
	9/7/2017				**4.40**	**197.79**
GW-14I	9/21/2004	205.29	204.93	29.40	0.85	204.08
	12/6/2004				1.01	203.92
	3/21/2005				0.40	204.53
	6/13/2005				NG	NG
	8/18/2005				2.18	202.75
	11/29/2005				2.94	201.99
	2/27/2006				1.97	202.96
	6/5/2006				3.89	201.04
	12/5/2006				5.10	199.83
	6/5/2007				3.55	201.38
	12/11/2007				4.50	200.43
	6/9/2008				2.64	202.29
	2/2/2009				2.18	202.75
	6/29/2009				3.30	201.63
	12/7/2009				2.55	202.38
	11/28/2011	206.94	206.66		3.30	203.36
	12/10/2012				3.85	202.81
	1/12/2014				2.07	204.59
	12/3/2015				2.64	204.02
	12/5/2016				4.83	201.83
	9/7/2017				**3.14**	**203.52**
GW-14S	9/21/2004	205.38	205.04	11.62	1.21	203.83
	12/6/2004				0.82	204.22
	3/21/2005				0.45	204.59
	6/13/2005				NG	NG
	8/18/2005				2.65	202.39
	11/29/2005				2.55	202.49
	2/27/2006				1.38	203.66
	6/5/2006				3.53	201.51
	12/5/2006				4.91	200.13
	6/5/2007				2.86	202.18
	12/11/2007				4.07	200.97
	6/9/2008				2.45	202.59
	2/2/2009				1.92	203.12
	6/29/2009				0.89	204.15
	12/7/2009				2.05	202.99

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-14S (cont'd)	11/28/2011	206.94	206.66	11.62	3.04	203.62
	12/10/2012				3.49	203.17
	1/12/2014				1.53	205.13
	12/3/2015				2.49	204.17
	12/5/2016				4.43	202.23
	9/7/2017				**3.07**	**203.59**
GW-15I	9/21/2004	212.06	211.89	30.25	NG	NG
	12/6/2004				NG	NG
	3/21/2005				NG	NG
	6/13/2005				2.30	209.59
	8/18/2005				2.26	209.63
	11/29/2005				2.40	209.49
	2/27/2006				2.45	209.44
	6/5/2006				2.49	209.40
	12/5/2006				3.36	208.53
	6/5/2007				NG	NG
	12/11/2007				2.43	209.46
	6/9/2008				1.95	209.94
	2/2/2009				2.24	209.65
	6/29/2009				2.65	209.24
	12/7/2009				2.0*	NA
	11/28/2011	201.86	201.17		2.42	198.75
	12/10/2012				3.28	197.89
	1/12/2014				2.13	199.04
	12/3/2015				2.04	199.13
	12/5/2016				3.52	197.65
	9/7/2017				**2.62**	**198.55**
GW-15S	9/21/2004	201.18	200.76	12.04	1.58	199.18
	12/6/2004				1.80	198.96
	3/21/2005				1.25	199.51
	6/13/2005				NG	NG
	8/18/2005				1.45	199.31
	11/29/2005				2.05	198.71
	2/27/2006				1.11	199.65
	6/5/2006				1.82	198.94
	12/5/2006				2.95	197.81
	6/5/2007				NG	NG
	12/11/2007				1.59	199.17
	6/9/2008				0.89	199.87
	2/2/2009				1.97	198.79
	6/29/2009				2.58	198.18
	12/7/2009				2.35	198.41
	11/28/2011	201.76	201.61		2.79	198.82
	12/10/2012				2.82	198.79
	1/12/2014				2.10	199.51
	12/3/2015				1.90	199.71
	12/5/2016				3.70	197.91
	9/7/2017				**2.21**	**199.40**

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-16I	9/21/2004	207.15	206.92	30.22	2.61	204.31
	12/6/2004				3.22	203.70
	3/21/2005				1.84	205.08
	6/13/2005				3.28	203.64
	8/18/2005				2.85	204.07
	11/29/2005				2.81	204.11
	2/27/2006				1.22	205.70
	6/5/2006				4.80	202.12
	12/5/2006				6.32	200.60
	6/5/2007				2.60	204.32
	12/11/2007				6.04	200.88
	6/9/2008				4.81	202.11
	2/2/2009				2.53	204.39
	6/29/2009				3.37	203.55
	12/7/2009				1.51	205.41
	11/28/2011	207.45	207.35		4.85	202.50
	12/10/2012				5.56	201.79
	1/12/2014				1.88	205.47
	12/3/2015				1.55	205.80
	12/5/2016				6.70	200.65
	9/7/2017				**3.65**	**203.70**
GW-16S	9/21/2004	207.16	206.73	11.55	2.06	204.67
	12/6/2004				2.87	203.86
	3/21/2005				1.30	205.43
	6/13/2005				2.90	203.83
	8/18/2005				2.00	204.73
	11/29/2005				3.09	203.64
	2/27/2006				0.71	206.02
	6/5/2006				4.57	202.16
	12/5/2006				5.93	200.80
	6/5/2007				1.74	204.99
	12/11/2007				5.78	200.95
	6/9/2008				4.55	202.18
	2/2/2009				2.01	204.72
	6/29/2009				3.73	203.00
	12/7/2009				<1	NA
	11/28/2011	207.45	207.18		4.78	202.40
	12/10/2012				5.34	201.84
	1/12/2014				1.13	206.05
	12/3/2015				1.07	206.11
	12/5/2016				6.51	200.67
	9/7/2017				**3.30**	**203.88**
GW-17I	9/21/2004	209.80	209.62	31.42	0.92	208.70
	12/6/2004				1.44	208.18
	3/21/2005				1.52	208.10
	6/13/2005				1.56	208.06
	8/18/2005				2.05	207.57

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-17I (cont'd)	11/29/2005	209.80	209.62	31.42	1.76	207.86
	2/27/2006				1.40	208.22
	6/5/2006				2.05	207.57
	12/5/2006				2.34	207.28
	6/5/2007				2.34	207.28
	12/11/2007				2.22	207.40
	6/9/2008				2.11	207.51
	2/2/2009				1.74	207.88
	6/29/2009				3.00	206.62
	12/7/2009				1.08	208.54
	11/28/2011	210.06	209.91		2.11	207.80
	12/10/2012				2.20	207.71
	1/12/2014				1.39	208.52
	12/3/2015				1.39	208.52
	12/5/2016				2.45	207.46
	9/7/2017				**1.45**	**208.46**
GW-17S	9/21/2004	209.78	209.51	13.75	1.94	207.57
	12/6/2004				2.22	207.29
	3/21/2005				1.57	207.94
	6/13/2005				2.41	207.10
	8/18/2005				2.08	207.43
	11/29/2005				1.94	207.57
	2/27/2006				1.10	208.41
	6/5/2006				3.47	206.04
	12/5/2006				3.30	206.21
	6/5/2007				2.57	206.94
	12/11/2007				3.25	206.26
	6/9/2008				3.32	206.19
	2/2/2009				2.29	207.22
	6/29/2009				2.88	206.63
	12/7/2009				1.47	208.04
	11/28/2011	210.05	209.79		3.08	206.71
	12/10/2012				3.15	206.64
	1/12/2014				1.68	208.11
	12/3/2015				1.36	208.43
	12/5/2016				3.08	206.71
	9/7/2017				**2.40**	**207.39**
GW-18I	9/21/2004	209.03	208.50	38.60	4.63	203.87
	12/6/2004				5.26	203.24
	3/21/2005				5.00	203.50
	6/13/2005				5.01	203.49
	8/18/2005				4.83	203.67
	11/29/2005				4.84	203.66
	2/27/2006				4.77	203.73
	6/5/2006				5.41	203.09
	12/5/2006				5.82	202.68
	6/5/2007				5.78	202.72

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-18I (cont'd)	12/11/2007	209.03	208.50	38.60	5.97	202.53
	6/9/2008				6.14	202.36
	2/2/2009				6.13	202.37
	6/29/2009				7.03	201.47
	12/7/2009				4.83	203.67
	11/28/2011	209.25	208.72		6.12	202.60
	12/10/2012				6.37	202.35
	1/12/2014				5.08	203.64
	12/3/2015				5.14	203.58
	12/5/2016				6.18	202.54
	9/7/2017				**4.85**	**203.87**
GW-18S	9/21/2004	208.96	208.79	13.66	5.94	202.85
	12/6/2004				6.52	202.27
	3/21/2005				5.73	203.06
	6/13/2005				NG	NG
	8/18/2005				6.00	202.79
	11/29/2005				NG	NG
	2/27/2006				5.59	203.20
	6/5/2006				7.06	201.73
	12/5/2006				6.87	201.92
	6/5/2007				7.06	201.73
	12/11/2007				7.10	201.69
	6/9/2008				7.04	201.75
	2/2/2009				6.22	202.57
	6/29/2009				6.73	202.06
	12/7/2009				6.28	202.51
	11/28/2011	209.18	208.99		6.63	202.36
	12/10/2012				6.84	202.15
	1/12/2014				6.04	202.95
	12/3/2015				6.32	202.67
	12/5/2016				7.11	201.88
	9/7/2017				**6.26**	**202.73**
GW-19I	9/21/2004	211.13	210.93	32.72	4.68	206.25
	12/6/2004				5.06	205.87
	3/21/2005				4.83	206.10
	6/13/2005				4.97	205.96
	8/18/2005				6.78	204.15
	11/29/2005				5.11	205.82
	2/27/2006				5.52	205.41
	6/5/2006				5.67	205.26
	12/5/2006				7.39	203.54
	6/5/2007				6.41	204.52
	12/11/2007				5.22	205.71
	6/9/2008				5.61	205.32
	2/2/2009				5.01	205.92
	6/29/2009				5.40	205.53
	12/7/2009				4.75	206.18

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-19I (cont'd)	11/28/2011	211.44	211.17	32.72	5.68	205.49
	12/10/2012				6.15	205.02
	1/12/2014				5.36	205.81
	12/3/2015				5.21	205.96
	12/5/2016				6.45	204.72
	9/7/2017				**5.15**	**206.02**
GW-19S	9/21/2004	211.42	211.24	14.00	6.10	205.14
	12/6/2004				6.32	204.92
	3/21/2005				6.03	205.21
	6/13/2005				6.28	204.96
	8/18/2005				6.12	205.12
	11/29/2005				6.33	204.91
	2/27/2006				5.79	205.45
	6/5/2006				6.66	204.58
	12/5/2006				6.64	204.60
	6/5/2007				6.25	204.99
	12/11/2007				6.72	204.52
	6/9/2008				6.58	204.66
	2/2/2009				6.23	205.01
	6/29/2009				6.37	204.87
	12/7/2009				6.02	205.22
	11/28/2011	211.69	211.48		6.79	204.69
	12/10/2012				7.01	204.47
	1/12/2014				6.30	205.18
	12/3/2015				6.43	205.05
	12/5/2016				7.16	204.32
	9/7/2017				**6.34**	**205.14**
GW-20I	9/21/2004	213.20	213.02	34.20	1.40	211.62
	12/6/2004				2.07	210.95
	3/21/2005				1.09	211.93
	6/13/2005				2.51	210.51
	8/18/2005				2.30	210.72
	11/29/2005				3.77	209.25
	2/27/2006				0.77	212.25
	6/5/2006				4.15	208.87
	12/5/2006				7.22	205.80
	6/5/2007				4.24	208.78
	12/11/2007				7.09	205.93
	6/9/2008				3.81	209.21
	2/2/2009				1.77	211.25
	6/29/2009				1.74	211.28
	12/7/2009				2.12	210.90
	11/28/2011	213.37	213.36		5.06	208.30
	12/10/2012				4.45	208.91
	1/12/2014				2.19	211.17
	12/3/2015				2.58	210.78
	12/5/2016				5.60	207.76
	9/7/2017				**3.20**	**210.16**

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-20S	9/21/2004	213.17	212.92	14.25	2.44	210.48
	12/6/2004				2.25	210.67
	3/21/2005				1.84	211.08
	6/13/2005				1.25	211.67
	8/18/2005				5.10	207.82
	11/29/2005				5.40	207.52
	2/27/2006				1.25	211.67
	6/5/2006				2.64	210.28
	12/5/2006				7.57	205.35
	6/5/2007				3.99	208.93
	12/11/2007				7.28	205.64
	6/9/2008				4.57	208.35
	2/2/2009				2.81	210.11
	6/29/2009				1.19	211.73
	12/7/2009				2.50	210.42
	11/28/2011	213.45	213.24		5.19	208.05
	12/10/2012				4.78	208.46
	1/12/2014				2.97	210.27
	12/3/2015				3.00	210.24
	12/5/2016				4.85	208.39
	9/7/2017				**2.63**	**210.61**
GW-21I	9/21/2004	211.66	213.70	49.30	5.03	208.67
	12/6/2004				5.36	208.34
	3/21/2005				4.86	208.84
	6/13/2005				6.11	207.59
	8/18/2005				4.80	208.90
	11/29/2005				7.34	206.36
	2/27/2006				4.53	209.17
	6/5/2006				7.95	205.75
	12/5/2006				11.98	201.72
	6/5/2007				7.92	205.78
	12/11/2007				10.79	202.91
	6/9/2008				7.28	206.42
	2/2/2009				5.29	208.41
	6/29/2009				5.87	207.83
	12/7/2009				5.61	208.09
	11/28/2011	212.12	213.94		8.75	205.19
	12/10/2012				8.49	205.45
	1/12/2014				5.79	208.15
	12/3/2015				3.42	210.52
	12/5/2016				9.68	204.26
	9/7/2017				**7.16**	**206.78**
GW-21S	9/21/2004	211.35	212.84	13.60	2.55	210.29
	12/6/2004				2.65	210.19
	3/21/2005				2.20	210.64
	6/13/2005				3.43	209.41
	8/18/2005				2.58	210.26

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-21S (cont'd)	11/29/2005	211.35	212.84	13.60	5.02	207.82
	2/27/2006				2.21	210.63
	6/5/2006				5.97	206.87
	12/5/2006				10.92	201.92
	6/5/2007				4.85	207.99
	12/11/2007				9.29	203.55
	6/9/2008				5.00	207.84
	2/2/2009				2.66	210.18
	6/29/2009				3.01	209.83
	12/7/2009				2.59	210.25
	11/28/2011	211.59	213.03		7.15	205.88
	12/10/2012				6.35	206.68
	1/12/2014				3.08	209.95
	12/3/2015				6.45	206.58
	12/5/2016				8.16	204.87
	9/7/2017				**5.57**	**207.46**
GW-22D	9/21/2004	211.11	211.69	53.55	4.96	206.73
	12/6/2004				5.04	206.65
	3/21/2005				4.78	206.91
	6/13/2005				5.55	206.14
	8/18/2005				NG	NG
	11/29/2005				4.53	207.16
	2/27/2006				1.81	209.88
	6/5/2006				7.97	203.72
	12/5/2006				13.71	197.98
	6/5/2007				7.79	203.90
	12/11/2007				9.71	201.98
	6/9/2008				6.52	205.17
	2/2/2009				5.81	205.88
	6/29/2009				6.03	205.66
	12/7/2009				5.71	205.98
	11/28/2011	211.22	211.11		8.14	202.97
	12/10/2012				7.17	203.94
	1/12/2014				6.55	204.56
	12/3/2015				6.15	204.96
	12/5/2016				8.59	202.52
	9/7/2017				**6.23**	**204.88**
GW-22I	9/21/2004	NS	NS	23.85	2.75	NS
	12/6/2004				3.60	NS
	3/21/2005				2.11	NS
	6/13/2005				NG	NG
	8/18/2005				3.55	NS
	11/29/2005				3.92	NS
	2/27/2006				1.59	NS
	6/5/2006				NG	NG
	12/5/2006				9.62	NS
	6/5/2007				4.00	NS

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-22I (cont'd)	12/11/2007	NS	NS	23.85	9.00	NS
	6/9/2008				6.58	NS
	2/2/2009				3.67	NS
	6/29/2009				NG	NG
	12/7/2009				1.70	NS
	11/28/2011	210.93	211.09		6.88	204.21
	12/10/2012				7.22	203.87
	1/12/2014				2.07	209.02
	12/3/2015				1.65	209.44
	12/5/2016				7.97	203.12
	9/7/2017				**5.87**	**205.22**
GW-23I	9/21/2004	202.77	202.39	28.48	29.05	173.34
	12/6/2004				0.53	201.86
	3/21/2005				0.37	202.02
	6/13/2005				0.34	202.05
	8/18/2005				NG	NG
	11/29/2005				0.51	201.88
	2/27/2006				2.48	199.91
	6/5/2006				0.99	201.40
	12/5/2006				1.40	200.99
	6/5/2007				0.83	201.56
	12/11/2007				1.08	201.31
	6/9/2008				1.06	201.33
	2/2/2009				1.24	201.15
	6/29/2009				3.32	199.07
	12/7/2009				<0.5	NA
	12/1/2011	203.24	202.82		1.06	201.76
	12/10/2012				1.20	201.62
	1/12/2014				0.52	202.30
	12/3/2015				0.48	202.34
	12/5/2016				1.16	201.66
	9/7/2017				**0.03**	**202.79**
GW-23S	9/21/2004	202.85	202.29	13.91	2.67	199.62
	12/6/2004				2.91	199.38
	3/21/2005				2.80	199.49
	6/13/2005				2.94	199.35
	8/18/2005				NG	NG
	11/29/2005				0.30	201.99
	2/27/2006				0.22	202.07
	6/5/2006				3.78	198.51
	12/5/2006				3.88	198.41
	6/5/2007				2.76	199.53
	12/11/2007				3.69	198.60
	6/9/2008				3.91	198.38
	2/2/2009				3.26	199.03
	6/29/2009				0.50	201.79
	12/7/2009				2.68	199.61

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-23S (cont'd)	12/1/2011	203.09	202.56	13.91	3.47	199.09
	12/10/2012				3.75	198.81
	1/12/2014				2.73	199.83
	12/3/2015				1.64	200.92
	12/5/2016				3.62	198.94
	9/7/2017				**2.35**	**200.21**
GW-24I	9/21/2004	206.99	206.83	35.20	4.80	202.03
	12/6/2004				5.00	201.83
	3/21/2005				6.62	200.21
	6/13/2005				4.69	202.14
	8/18/2005				4.63	202.20
	11/29/2005				4.63	202.20
	2/27/2006				2.79	204.04
	6/5/2006				5.50	201.33
	12/5/2006				7.12	199.71
	6/5/2007				5.38	201.45
	12/11/2007				5.73	201.10
	6/9/2008				5.12	201.71
	2/2/2009				3.52	203.31
	6/29/2009				4.48	202.35
	12/7/2009				4.22	202.61
	11/28/2011	207.24	207.25		5.56	201.69
	12/10/2012				5.48	201.77
	1/12/2014				3.16	204.09
	12/3/2015				3.36	203.89
	12/5/2016				6.96	200.29
	9/7/2017				**5.10**	**202.15**
GW-24S	9/21/2004	207.87	206.56	14.80	3.48	203.08
	12/6/2004				4.26	202.30
	3/21/2005				3.20	203.36
	6/13/2005				4.24	202.32
	8/18/2005				3.64	202.92
	11/29/2005				4.40	202.16
	2/27/2006				3.05	203.51
	6/5/2006				5.21	201.35
	12/5/2006				6.61	199.95
	6/5/2007				4.14	202.42
	12/11/2007				6.10	200.46
	6/9/2008				5.30	201.26
	2/2/2009				4.06	202.50
	6/29/2009				2.57	203.99
	12/7/2009				2.77	203.79
	11/28/2011	207.08	206.92		5.20	201.72
	12/10/2012				5.85	201.07
	1/12/2014				3.19	203.73
	12/3/2015				2.70	204.22
	12/5/2016				6.70	200.22
	9/7/2017				**4.77**	**202.15**

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-25I	9/21/2004	208.13	207.62	29.72	3.72	203.90
	12/6/2004				4.22	203.40
	3/21/2005				3.13	204.49
	6/13/2005				4.64	202.98
	8/18/2005				4.35	203.27
	11/29/2005				4.92	202.70
	2/27/2006				2.24	205.38
	6/5/2006				6.00	201.62
	12/5/2006				7.61	200.01
	6/5/2007				4.68	202.94
	12/11/2007				6.78	200.84
	6/9/2008				5.43	202.19
	2/2/2009				4.02	203.60
	6/29/2009				4.47	203.15
	12/7/2009				3.11	204.51
	11/28/2011	208.05	208.56		5.33	203.23
	12/10/2012				6.08	202.48
	1/12/2014				3.03	205.53
	12/3/2015				2.94	205.62
	12/5/2016				7.23	201.33
	9/7/2017				**4.59**	**203.97**
GW-25S	9/21/2004	207.39	207.40	14.20	2.92	204.48
	12/6/2004				3.39	204.01
	3/21/2005				2.10	205.30
	6/13/2005				4.07	203.33
	8/18/2005				3.60	203.80
	11/29/2005				4.25	203.15
	2/27/2006				3.47	203.93
	6/5/2006				5.36	202.04
	12/5/2006				6.93	200.47
	6/5/2007				4.01	203.39
	12/11/2007				6.11	201.29
	6/9/2008				5.14	202.26
	2/2/2009				3.17	204.23
	6/29/2009				3.83	203.57
	12/7/2009				2.27	205.13
	11/28/2011	207.75	207.83		4.88	202.95
	12/10/2012				5.43	202.40
	1/12/2014				1.71	206.12
	12/3/2015				1.80	206.03
	12/5/2016				7.02	200.81
	9/7/2017				**4.15**	**203.68**
GW-26I	9/21/2004	210.26	210.77	29.17	4.74	206.03
	12/6/2004				5.62	205.15
	3/21/2005				4.10	206.67
	6/13/2005				5.82	204.95
	8/18/2005				5.05	205.72

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-26I (cont'd)	11/29/2005	210.26	210.77	29.17	5.92	204.85
	2/27/2006				1.55	209.22
	6/5/2006				7.73	203.04
	12/5/2006				10.16	200.61
	6/5/2007				7.21	203.56
	12/11/2007				9.62	201.15
	6/9/2008				8.19	202.58
	2/2/2009				4.92	205.85
	6/29/2009				5.61	205.16
	12/7/2009				3.66	207.11
	11/28/2011	210.67	211.21		8.76	202.45
	12/10/2012				8.45	202.76
	1/12/2014				4.02	207.19
	12/3/2015				2.57	208.64
	12/5/2016				9.85	201.36
	9/7/2017				**6.84**	**204.37**
GW-26S	9/21/2004	210.56	210.54	14.0	14.00	196.54
	12/6/2004				4.46	206.08
	3/21/2005				2.86	207.68
	6/13/2005				4.76	205.78
	8/18/2005				4.45	206.09
	11/29/2005				5.46	205.08
	2/27/2006				3.47	207.07
	6/5/2006				7.05	203.49
	12/5/2006				9.96	200.58
	6/5/2007				4.76	205.78
	12/11/2007				9.35	201.19
	6/9/2008				7.10	203.44
	2/2/2009				4.33	206.21
	6/29/2009				5.46	205.08
	12/7/2009				2.49	208.05
	11/28/2011	211.09	210.97		7.48	203.49
	12/10/2012				8.11	202.86
	1/12/2014				2.98	207.99
	12/3/2015				3.96	207.01
	12/5/2016				9.26	201.71
	9/7/2017				**6.30**	**204.67**
GW-27I	9/21/2004	208.37	209.00	29.82	3.71	205.29
	12/6/2004				4.72	204.28
	3/21/2005				2.96	206.04
	6/13/2005				4.68	204.32
	8/18/2005				3.23	205.77
	11/29/2005				4.93	204.07
	2/27/2006				2.69	206.31
	6/5/2006				6.02	202.98
	12/5/2006				7.68	201.32
	6/5/2007				5.71	203.29

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-27I (cont'd)	12/11/2007	208.37	209.00	29.82	6.31	202.69
	6/9/2008				5.29	203.71
	2/2/2009				3.50	205.50
	6/29/2009				3.83	205.17
	12/7/2009				2.68	206.32
	11/28/2011	208.71	209.39		5.88	203.51
	12/10/2012				5.94	203.45
	1/12/2014				2.65	206.74
	12/3/2015				3.20	206.19
	12/5/2016				8.11	201.28
	9/7/2017				**4.09**	**205.30**
GW-27S	9/21/2004	208.64	208.45	14.10	3.14	205.31
	12/6/2004				4.17	204.28
	3/21/2005				2.34	206.11
	6/13/2005				4.16	204.29
	8/18/2005				3.27	205.18
	11/29/2005				4.32	204.13
	2/27/2006				2.19	206.26
	6/5/2006				5.50	202.95
	12/5/2006				7.58	200.87
	6/5/2007				4.25	204.20
	12/11/2007				7.04	201.41
	6/9/2008				5.48	202.97
	2/2/2009				3.64	204.81
	6/29/2009				4.34	204.11
	12/7/2009				1.57	206.88
	11/28/2011	208.67	208.82		5.81	203.01
	12/10/2012				6.51	202.31
	1/12/2014				1.74	207.08
	12/3/2015				2.50	206.32
	12/5/2016				7.47	201.35
	9/7/2017				**4.49**	**204.33**
GW-28D	11/28/2011	208.65	208.84	65.50	43.98	164.86
	12/10/2012				44.16	164.68
	1/12/2014				43.64	165.20
	12/3/2015				43.41	165.43
	12/5/2016				44.10	164.74
	9/7/2017				**43.07**	**165.77**
GW-28I	12/3/2015	NS	208.43	29.33	2.06	206.37
	12/5/2016				7.49	200.94
	9/7/2017		208.49		**4.34**	**204.15**
GW-29I	11/28/2011	212.05	211.87	34.50	5.96	205.91
	12/10/2012				5.83	206.04
	1/12/2014				2.43	209.44
	12/3/2015				2.83	209.04
	12/5/2016				6.28	205.59
	9/7/2017				**3.68**	**208.19**

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
GW-29S	11/28/2011	212.01	211.91	15.10	7.56	204.35
	12/10/2012				7.96	203.95
	1/12/2014				5.04	206.87
	12/3/2015				5.55	206.36
	12/5/2016				8.81	203.10
	9/7/2017				**6.03**	**205.88**
GW-30I	11/28/2011	211.26	210.88	34.40	5.90	204.98
	12/10/2012				5.66	205.22
	1/12/2014				2.62	208.26
	12/3/2015				2.97	207.91
	12/5/2016				6.07	204.81
	9/7/2017				**3.74**	**207.14**
GW-30S	11/28/2011	211.18	210.97	14.90	7.07	203.90
	12/10/2012				7.88	203.09
	1/12/2014				4.32	206.65
	12/3/2015				4.91	206.06
	12/5/2016				8.69	202.28
	9/7/2017				**5.93**	**205.04**
GW-31I	11/28/2011	212.58	212.19	35.30	4.94	207.25
	12/10/2012				2.73	209.46
	1/12/2014				2.10	210.09
	12/3/2015				2.32	209.87
	12/5/2016				5.77	206.42
	9/7/2017				**3.05**	**209.14**
GW-31S	11/28/2011	212.64	212.40	15.20	5.98	206.42
	12/10/2012				4.22	208.18
	1/12/2014				4.55	207.85
	12/3/2015				3.91	208.49
	12/5/2016				6.16	206.24
	9/7/2017				**2.71**	**209.69**
GW-32I	11/28/2011	208.19	208.17	35.00	5.35	202.82
	12/10/2012				6.00	202.17
	1/12/2014				3.50	204.67
	12/3/2015				3.58	204.59
	12/5/2016				6.97	201.20
	9/7/2017				**3.84**	**204.33**
GW-33I	11/28/2011	208.27	207.88	35.30	5.36	202.52
	12/10/2012				6.02	201.86
	1/12/2014				2.24	205.64
	12/3/2015				2.30	205.58
	12/5/2016				7.09	200.79
	9/7/2017				**4.51**	**203.37**
TW-34I	ABANDONED					
TW-35I	ABANDONED					
TW-36I	ABANDONED					

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
TW-37I	12/21/2012	NS	NS	35	9.75	NA
	9/7/2017				**7.80**	**-7.80**
TW-38I	12/21/2012	NS	NS	30	9.66	NA
	9/7/2017				**8.21**	**-8.21**
TW-39I	12/21/2012	NS	NS	35	NG	NG
	9/7/2017				**8.11**	**-8.11**
TW-40S / PZ-1	12/21/2012	202.35	205.32	10	6.35	198.97
	9/7/2017				**5.93**	**199.39**
GW-41S	12/3/2015	NS	209.34	15.5	2.79	**206.55**
	12/5/2016				7.81	**201.53**
	9/7/2017				**4.73**	**204.61**
GW-42I	12/3/2015	NS	210.7	30.5	2.32	**208.38**
	12/5/2016				4.60	**206.10**
	9/7/2017				**2.64**	**208.06**
GW-43I	12/3/2015	NS	208.82	30.5	2.54	206.28
	12/5/2016				5.30	203.52
	9/7/2017				**3.20**	**205.62**
GW-44I	12/3/2015	NS	207.07	30.71	4.88	202.19
	12/5/2016				7.07	200.00
	9/7/2017				**4.16**	**202.91**
GW-45S	**9/7/2017**	206.48	206.14	15.00	**2.21**	**203.93**
GW-46S	**9/7/2017**	203.97	203.71	15.07	**1.55**	**202.16**
GW-47S	**9/7/2017**	202.53	202.31	15.21	**2.75**	**199.56**
PZ-2	**9/7/2017**	207.09	210.13	18.39	**10.07**	**200.06**
PZ-3	**9/7/2017**	206.37	209.66	18.77	**8.38**	**201.28**
PZ-4	**9/7/2017**	201.17	203.85	10.11	**5.24**	**198.61**
TP1	9/21/2004	210.21	211.91	15.00	3.31	208.60
	12/6/2004				3.59	208.32
	3/21/2005				2.87	209.04
	6/13/2005				4.00	207.91
	8/18/2005				3.40	208.51
	11/29/2005				4.70	207.21
	2/27/2006				1.70	210.21
	6/5/2006				6.32	205.59
	12/5/2006				10.07	201.84

Table 2
Well Construction Data and Historical Groundwater Elevations
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Date	Ground Elevation (ft msl)	Top of Casing Elevation (ft msl)	Total Well Depth (ft)	Depth to Water (ft BTOC)	Adjusted Groundwater Elevation (Potentiometric Surface)
TP-1 (cont'd)	6/5/2007	210.21	211.91	15.00	4.80	207.11
	12/11/2007				8.84	203.07
	6/9/2008				6.00	205.91
	2/2/2009				3.95	207.96
	6/29/2009				NG	NG
	12/7/2009				NG	NG
	11/28/2011	210.51	212.35		3.24	209.11
	12/10/2012				6.71	205.64
	12/3/2015				2.95	209.40
	12/5/2016				8.18	204.17
	9/7/2017				**6.03**	**206.32**

Notes:
ft msl - feet above mean aea level
ft BTOC - feet below top of casing
NA - Not Applicable
NG - Not Gauged
NS - Not Surveyed
* - Suspect Water Level
DRY - Well Gauged Dry
Approximate Field Survey Data

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	March 2005			Sampling			August 2005			Sampling			Sampling			June 2006			December 2006			June 2007		
	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA	VOCs	SVOCs	NA
GW-01I	X	X		X	X											X	X					X	X	
GW-01S	X	X		X	X											X	X					X	X	
GW-03D					X																			
GW-03I		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-03S		X	X	X	X	X	X	X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-05I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-05S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-06I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-06S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-06D	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-07I				X	X											X	X					X	X	
GW-08D				X	X											X	X					X	X	
GW-08S				X	X											X	X					X	X	
GW-10I																X	X					X	X	
GW-10S																X	X					X	X	
GW-11I	X	X	X				X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-11S	X	X	X				X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-11D																						X	X	
GW-12D	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
GW-12I	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
GW-12S	X	X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
GW-13I				X	X											X	X					X	X	
GW-13S				X	X											X	X					X	X	
GW-14I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-14S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-15I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-15S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-16I				X	X											X	X					X	X	
GW-16S				X	X											X	X					X	X	
GW-17I																X	X					X	X	
GW-17S																X	X					X	X	
GW-18I																X	X					X	X	
GW-18S																X	X					X	X	
GW-19I				X	X											X	X					X	X	
GW-19S				X	X											X	X					X	X	
GW-20I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-20S		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-21I				X	X											X	X					X	X	
GW-21S				X	X											X	X	X				X	X	X
GW-22D				X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-22S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-23I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-23S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-24I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-24S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-25I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-25S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-26I		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-26S		X	X	X	X	X		X	X		X	X		X	X	X	X	X		X	X	X	X	X
GW-27I	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-27S	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GW-28D																								
GW-28I																								
GW-29I																								
GW-29S																								
GW-30I																								
GW-30S																								
GW-31I																								
GW-31S																								
GW-32I																								
GW-33I																								
GW-41S																								
GW-42I																								
GW-43I																								
GW-44I																								
GW-45																								
GW-46																								
GW-47																								
PZ-1																								
PZ-2																								
PZ-3																								
PZ-4																								
SW-1																								
SW-2																								
SW-3																								
SW-4																								
SW-5																								
SW-6																								
SW-7																								
SW-8																								
Totals	**15**	**31**	**29**	**41**	**42**	**28**	**15**	**28**	**28**	**14**	**30**	**30**	**11**	**30**	**30**	**49**	**49**	**31**	**14**	**30**	**30**	**50**	**50**	**31**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2007 Sampling			June 2008 Sampling			February 2009 Sampling			June 2009 Sampling		
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)
GW-01I			X			X			X			X
GW-01S												
GW-03D												
GW-03I		X			X			X			X	
GW-03S												
GW-05I												
GW-05S												
GW-06I	X	X		X	X		X	X		X	X	
GW-06S	X	X		X	X		X	X		X	X	
GW-06D	X	X		X			X			X	X	
GW-07I												
GW-08D												
GW-08S												
GW-10I												
GW-10S												
GW-11I	X	X		X	X		X	X		X	X	
GW-11S		X			X			X			X	
GW-11D												
GW-12D		X			X			X			X	
GW-12I	X	X		X	X		X	X		X	X	
GW-12S	X	X		X	X		X	X		X	X	
GW-13I												
GW-13S		X			X			X			X	
GW-14I												
GW-14S												
GW-15I												
GW-15S												
GW-16I		X			X			X			X	
GW-16S												
GW-17I		X			X			X			X	
GW-17S												
GW-18I		X			X			X			X	
GW-18S		X			X			X			X	
GW-19I												
GW-19S												
GW-20I	X	X		X	X		X	X		X	X	
GW-20S	X	X		X	X		X	X		X	X	
GW-21I												
GW-21S												
GW-22D												
GW-22S												
GW-23I		X			X			X			X	
GW-23S		X			X			X			X	
GW-24I	X	X		X	X		X	X		X	X	
GW-24S	X	X		X	X		X	X		X	X	
GW-25I												
GW-25S		X			X			X			X	
GW-26I		X			X			X			X	
GW-26S												
GW-27I	X	X		X	X		X	X		X	X	
GW-27S	X	X		X	X		X	X		X	X	
GW-28D												
GW-28I												
GW-29I												
GW-29S												
GW-30I												
GW-30S												
GW-31I												
GW-31S												
GW-32I												
GW-33I												
GW-41S												
GW-42I												
GW-43I												
GW-44I												
GW-45												
GW-46												
GW-47												
PZ-1												
PZ-2												
PZ-3												
PZ-4												
SW-1												
SW-2												
SW-3												
SW-4												
SW-5												
SW-6												
SW-7												
SW-8												
Totals	**12**	**24**	**1**	**12**	**23**	**1**	**12**	**23**	**1**	**12**	**24**	**1**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2009 Sampling			Nov/Dec 2011 Sampling			December 2012 Sampling			January 2014 Sampling		
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)
GW-01I			X			X			X			X
GW-01S												
GW-03D												
GW-03I	X	X		X	X		X	X		X	X	
GW-03S												
GW-05I												
GW-05S												
GW-06I	X	X		X	X		X	X		X	X	
GW-06S	X	X		X	X		X	X		X	X	
GW-06D		X			X			X			X	
GW-07I												
GW-08D												
GW-08S												
GW-10I												
GW-10S												
GW-11I	X	X		X	X		X	X		X	X	
GW-11S		X			X			X			X	
GW-11D												
GW-12D		X			X			X			X	
GW-12I	X	X		X	X		X	X		X	X	
GW-12S	X	X		X	X		X	X		X	X	
GW-13I												
GW-13S		X			X			X			X	
GW-14I												
GW-14S												
GW-15I												
GW-15S												
GW-16I		X			X			X			X	
GW-16S												
GW-17I		X			X			X			X	
GW-17S												
GW-18I		X			X			X			X	
GW-18S		X			X			X			X	
GW-19I												
GW-19S												
GW-20I	X	X		X	X		X	X		X	X	
GW-20S	X	X		X	X		X	X		X	X	
GW-21I												
GW-21S												
GW-22D												
GW-22S												
GW-23I	X	X		X	X		X	X		X	X	
GW-23S		X			X			X			X	
GW-24I	X	X		X	X		X	X		X	X	
GW-24S	X	X		X	X		X	X		X	X	
GW-25I												
GW-25S		X			X			X			X	
GW-26I		X			X			X			X	
GW-26S												
GW-27I	X	X		X	X		X	X		X	X	
GW-27S	X	X		X	X		X	X		X	X	
GW-28D				X	X		X	X		X	X	
GW-28I												
GW-29I				X	X		X	X		X	X	
GW-29S				X	X		X	X		X	X	
GW-30I				X	X		X	X		X	X	
GW-30S				X	X		X	X		X	X	
GW-31I				X	X		X	X		X	X	
GW-31S				X	X		X	X		X	X	
GW-32I				X	X		X	X		X	X	
GW-33I				X	X		X	X		X	X	
GW-41S												
GW-42I												
GW-43I												
GW-44I												
GW-45												
GW-46												
GW-47												
PZ-1												
PZ-2												
PZ-3												
PZ-4												
SW-1												
SW-2												
SW-3												
SW-4												
SW-5												
SW-6												
SW-7												
SW-8												
Totals	**13**	**24**	**1**	**22**	**33**	**1**	**22**	**33**	**1**	**22**	**33**	**1**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2015 Sampling			April 2016 Sampling					
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9560A)	VOCs (Method 8260B)
GW-01I			X						
GW-01S									
GW-03D									
GW-03I	X	X							
GW-03S									
GW-05I									
GW-05S									
GW-06I	X	X							
GW-06S	X	X							
GW-06D		X							
GW-07I									
GW-08D									
GW-08S									
GW-10I									
GW-10S									
GW-11I	X	X							
GW-11S		X							
GW-11D									
GW-12D		X							
GW-12I	X	X							
GW-12S	X	X							
GW-13I									
GW-13S		X							
GW-14I									
GW-14S									
GW-15I									
GW-15S									
GW-16I		X							
GW-16S									
GW-17I		X							
GW-17S									
GW-18I		X							
GW-18S		X							
GW-19I									
GW-19S									
GW-20I	X	X		X	X	X	X	X	X
GW-20S	X	X		X	X	X	X	X	X
GW-21I									
GW-21S									
GW-22D									
GW-22S									
GW-23I	X	X							
GW-23S		X							
GW-24I	X	X		X	X	X	X	X	X
GW-24S	X	X							
GW-25I									
GW-25S		X							
GW-26I		X							
GW-26S									
GW-27I	X	X		X	X	X	X	X	X
GW-27S	X	X							
GW-28D	X	X							
GW-28I	X	X		X	X	X	X	X	X
GW-29I	X	X							
GW-29S	X	X		X	X	X	X	X	X
GW-30I	X	X							
GW-30S	X	X							
GW-31I	X	X		X	X	X	X	X	X
GW-31S	X	X							
GW-32I	X	X		X	X	X	X	X	X
GW-33I	X	X		X	X	X	X	X	X
GW-41S	X	X		X	X	X	X	X	X
GW-42I	X	X		X	X	X	X	X	X
GW-43I	X	X		X	X	X	X	X	X
GW-44I	X	X		X	X	X	X	X	X
GW-45									
GW-46									
GW-47									
PZ-1									
PZ-2									
PZ-3									
PZ-4									
SW-1									
SW-2									
SW-3									
SW-4									
SW-5									
SW-6									
SW-7									
SW-8									
Totals	**27**	**38**	**1**	**13**	**13**	**13**	**13**	**13**	**13**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	May 2016 Sampling						October 2016 Sampling					
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9560A)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9560A)	VOCs (Method 8260B)
GW-01I												
GW-01S												
GW-03D												
GW-03I												
GW-03S												
GW-05I												
GW-05S												
GW-06I												
GW-06S												
GW-06D												
GW-07I												
GW-08D												
GW-08S												
GW-10I												
GW-10S												
GW-11I												
GW-11S												
GW-11D												
GW-12D												
GW-12I												
GW-12S												
GW-13I												
GW-13S												
GW-14I												
GW-14S												
GW-15I												
GW-15S												
GW-16I												
GW-16S												
GW-17I												
GW-17S												
GW-18I												
GW-18S												
GW-19I												
GW-19S												
GW-20I	X	X	X	X	X	X	X	X	X	X	X	X
GW-20S	X	X	X	X	X	X	X	X	X	X	X	X
GW-21I												
GW-21S												
GW-22D												
GW-22S												
GW-23I												
GW-23S												
GW-24I	X	X	X	X	X	X	X	X	X	X	X	X
GW-24S												
GW-25I												
GW-25S												
GW-26I												
GW-26S												
GW-27I	X	X	X	X	X	X	X	X	X	X	X	X
GW-27S												
GW-28D												
GW-28I	X	X	X	X	X	X	X	X	X	X	X	X
GW-29I												
GW-29S	X	X	X	X	X	X	X	X	X	X	X	X
GW-30I												
GW-30S												
GW-31I	X	X	X	X	X	X	X	X	X	X	X	X
GW-31S												
GW-32I	X	X	X	X	X	X	X	X	X	X	X	X
GW-33I	X	X	X	X	X	X	X	X	X	X	X	X
GW-41S	X	X	X	X	X	X	X	X	X	X	X	X
GW-42I	X	X	X	X	X	X	X	X	X	X	X	X
GW-43I	X	X	X	X	X	X	X	X	X	X	X	X
GW-44I	X	X	X	X	X	X	X	X	X	X	X	X
GW-45												
GW-46												
GW-47												
PZ-1												
PZ-2												
PZ-3												
PZ-4												
SW-1												
SW-2												
SW-3												
SW-4												
SW-5												
SW-6												
SW-7												
SW-8												
Totals	**13**	**13**	**13**	**13**	**13**	**13**	**13**	**13**	**13**	**13**	**13**	**13**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2016 Sampling			September 2017 Sampling			
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	Total Metals (Method 6010C)
GW-01I			X			X	
GW-01S							
GW-03D							
GW-03I	X	X		X	X		
GW-03S							
GW-05I							
GW-05S							
GW-06I	X	X		X	X		
GW-06S	X	X		X	X		
GW-06D		X			X		
GW-07I							
GW-08D							
GW-08S							
GW-10I							
GW-10S							
GW-11I	X	X		X	X		
GW-11S		X			X		
GW-11D							
GW-12D		X			X		
GW-12I	X	X		X	X		
GW-12S	X	X		X	X		
GW-13I							
GW-13S		X			X		
GW-14I				X	X		
GW-14S				X	X		
GW-15I				X	X		
GW-15S				X	X		
GW-16I		X			X		
GW-16S							
GW-17I		X			X		
GW-17S							
GW-18I		X			X		
GW-18S		X			X		
GW-19I							
GW-19S							
GW-20I	X	X		X	X		X
GW-20S	X	X		X	X		X
GW-21I							
GW-21S							
GW-22D							
GW-22S							
GW-23I	X	X		X	X		
GW-23S		X			X		
GW-24I	X	X		X	X		X
GW-24S	X	X		X	X		
GW-25I							
GW-25S		X			X		
GW-26I		X			X		
GW-26S							
GW-27I	X	X		X	X		X
GW-27S	X	X		X	X		
GW-28D	X	X		X	X		
GW-28I	X	X		X	X		X
GW-29I	X	X		X	X		
GW-29S	X	X		X	X		X
GW-30I	X	X		X	X		X
GW-30S	X	X		X	X		
GW-31I	X	X		X	X		
GW-31S	X	X		X	X		
GW-32I	X	X		X	X		X
GW-33I	X	X		X	X		X
GW-41S	X	X		X	X		X
GW-42I	X	X		X	X		X
GW-43I	X	X		X	X		X
GW-44I	X	X		X	X		X
GW-45					X	X	
GW-46					X	X	
GW-47					X	X	
PZ-1				X	X		
PZ-2				X	X		
PZ-3				X	X		
PZ-4				X	X		
SW-1					X		
SW-2					X		
SW-3					X		
SW-4					X		
SW-5					X		
SW-6					X		
SW-7					X		
SW-8					X		
Totals	**27**	**38**	**1**	**35**	**56**	**4**	**13**

Table 3
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Notes:

BTEX: benzene, toluene, ethyl benzene, xylenes
NA: Natural attenuation parameters
PAHs: Polynuclear aromatic hydrocarbons
SIM: Selective ion method
SVOCs: Semi-volatile organic compounds
VOCs: Volatile organic compounds
Cr+6: Hexavalent Chromium
Ion Scan for chloride and sulfate

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-01I	GW-01I	µg/L	14-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-01I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-01I		30-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-01I		14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-001I		19-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW01I		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	O1I		15-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW1I		31-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP4		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW01I		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 01I		12-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW01I		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-01S	GW-01S	µg/L	7-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-01S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	6	<5	<5
	GW-01S		30-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	**71**	<5	<5
	GW-01S		14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	**29**	<5	<5
	GW-01S		28-Jun-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	**27**	<5	<5
	WS-W-GW1S		13-Feb-03		<10	<10	<10	<10	<10	<0.5	<1	<0.05	<0.05	<0.05	<0.1	<0.1	<0.05	<10		<10	<0.05	<0.1	<10	<10	<0.1	<0.1	<0.05	**21**	<0.05	<0.05
	001S		12-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	11	<10	<10
	WST-G-GW01S		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	O1S		15-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW1S		31-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	13	<10	<10
	WST-G-GW01S		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	16	<10	<10
	01S		12-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW01S		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-03D	GW-03D	µg/L	14-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-03D		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-03D		16-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-03D		9-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	17	<5	<5
	GW-03D		28-Jun-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-03I	GW-03I	µg/L	28-Jun-00							10	<5	<5		<5	<5	<5	<5				<5				7	8	<5	14	**8**	<5
	WS-W-GW-3I		19-Feb-03		<10	<10	<10	<10	<10	<0.5	<1	<10	<0.05	<0.05	<0.1	<0.1	<0.05	<10		<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<0.5	<10	<10
	WS-W-GW-003I		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW03IR		22-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	03IR		13-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW03IR		23-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP1		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW03I		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW03IR		19-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	03IR		30-Nov-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	03IR		28-Feb-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.38**	0.1	0.15	<10	<10	<10	<10	<10	**0.2**	0.1	<10	<10	<10	<10	0.12	<10	<10	<10
	WSFG-GW03IR		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP 1		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	03IR		8-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW03IR		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	IR		11-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.05	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP2		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW03IR		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUPE-2		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW3I		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.32**	0.15	**0.31**	<10	<10	NA	NA	NA	0.13	0.14	NA	NA	<10	<10	0.15	<10	<10	<10
	Dupe-2		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.28**	<0.050	<0.10	<10	<10	NA	NA	NA	0.15	<0.10	NA	NA	<10	<10	0.05	<10	<10	<10
	WST-G-GW3IR		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.34**	0.1	0.12	<10	<10	NA	NA	NA	0.18	0.11	NA	NA	<10	<10	0.12	19	<10	<10
	DUP-2		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.11**	0.05	<0.10	<10	<10	NA	NA	NA	0.1	<0.10	NA	NA	<10	<10	<0.050	10	<10	<10
	WST-G-GW 3I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.11**	<0.050	<0.10	<10	<10	NA	NA	NA	0.07	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-3I		2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	0.66	<0.050	<0.050
	DUP-3		2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-3I		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-2		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-3I		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.05	0.074	<0.10	<10	<10	NA	NA	NA	0.078	0.13	NA	NA	<10	<10	0.15	<10	<10	<10
	GW-3I		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-3I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-3I		18-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-03S	GW-03S	µg/L	5-Oct-94							**7600**	<5	88		<5	<5	<5	<5				<5				**3000**	**5400**	<5	**5400**	**8800**	210
	GW-03S		23-Mar-95							600	**37**	39		<5	<5	<5	<5				<5				<5	550	<5	**7000**	**550**	<5
	GW-03S		7-Jan-98							120	<5	<5		<5	<5	<5	<5				<5				<5	77	<5	**1100**	**85**	<5
	GW-03S		10-Feb-00							490	**9**	10		<5	<5	<5	<5				<5				6	150	<5	**8800**	**160**	<5
	GW-03SR		28-Jun-00							690	**25**	22		<5	<5	<5	<5				<5				39	380	<5	**6100**	**320**	20
	003S		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW03SR		22-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.07	0.1	<10	<10	<10	<10	<10	<0.05	0.26	<10	<10	<10	<10	0.27	<10	<10	<10
	03SR		14-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW03SR		23-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW03SR		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW03SR		19-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	03SR		30-Nov-05	<10	<10	**15**	**20**	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	03SR		28-Feb-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	035R		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	03SR		8-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW03SR		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-05I	GW-05I	µg/L	7-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05I		15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05I		2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-005I		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW05IR		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP1		14-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	05IR		14-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05IR		23-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05IR		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05IR		22-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	05IR		30-Nov-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	05IR		28-Feb-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.18**	<0.050	<0.10	<10	<10	<10	<10	<10	0.06	<0.10	<10	<10	<10	<10	0.06	<10	<10	<10
	05IR		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	05IR		7-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP 3		11-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW05IR		11-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-05S	GW-05S	µg/L	5-Oct-94							9	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	18	**10**	<5
	GW-05S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05S		31-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05S		15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-05S		2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	005S		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-DUP1		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05SR		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	05SR		14-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05SR		23-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	0.12	<10	<10	<10
	GW05SR		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW05SR		22-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	05SR		30-Nov-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	05SR		28-Feb-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	05SR		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	05SR		7-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	02		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	SR		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-06D	GW-06D	µg/L	15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-06D		6-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW06DR		23-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW06DR		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW06DR		22-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	06DR		1-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	06DR		1-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	06DR		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	02		11-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	**0.41**	<10	<10	<10	<10	0.23	<10	<10	<10
	DR		11-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	DR		5-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	0.07	<0.10	<10	<10	<10	<10	<10	<0.050	**0.4**	<10	<10	<10	<10	0.38	<10	<10	<10
	WST-G-DUP 1		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.52**	**0.49**	**0.57**	<10	<10	NA	NA	NA	**0.52**	**0.51**	NA	NA	<10	<10	**0.51**	<10	<10	<10
	6DR		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.07	0.07	<0.10	<10	<10	NA	NA	NA	0.08	<0.10	NA	NA	<10	<10	0.07	<10	<10	<10
	06DR		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	0.05	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW6D		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW6DR		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW6D		9-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	0.12	0.11	<10	<10	NA	NA	NA	0.13	0.12	NA	NA	<10	<10	0.12	<10	<10	<10
	GW-6D		30-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-6D		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-6D		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	0.06	<10	<10	<10
	GW-6D		10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-6D		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-6D		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-06I	GW-06I	µg/L	7-Nov-94							88	<5	12		<5	<5	<5	<5				<5				25	76	<5	**4000**	**170**	14
	GW-06I		23-Mar-95							200	<5	<5		<5	<5	<5	<5				<5				<5	93	<5	**7000**	**66**	<5
	GW-06I		15-Apr-98							660	**10**	9		<5	<5	<5	<5				<5				10	290	<5	**9700**	**190**	8
	GW-06I		9-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				8	6	<5	**1700**	**14**	<5
	WS-W-GW6I		13-Feb-03		<10	<10	<10	<10	<10	440	<1	<10	<0.05	<0.05	<0.1	<0.1	<0.05	**10**		**390**	<0.05	<0.1	**250**	<10	<10	180	<0.05	**9100**	**150**	<10
	WS-W-GW 006I		14-Apr-04							61	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	41	<10	**1400**	**49**	<10
	WST-G-GW6IR		23-Sep-04	15	<10	<10	<10	<10	<10	12	<10	<10	**0.24**	0.05	<0.1	<10	<10	<10	<10	<10	**0.22**	<0.1	**36**	<10	11	17	<0.05	**2100**	**43**	<10
	06IR		9-Dec-04	24	<10	<10	<10	<10	<10	14	<10	<10	**0.12**	<0.05	<0.1	<10	<10	<10	<10	<10	0.13	<0.1	**47**	<10	11	20	<0.05	**2100**	**49**	<10
	GW06IR		24-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.27**	<0.05	<0.1	<10	<10	<10	<10	<10	0.07	<0.1	**21**	<10	<10	12	<0.05	**1100**	**21**	<10
	GW06IR		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.08	0.05	<0.1	<10	<10	<10	<10	<10	0.06	<0.1	<10	<10	<10	<10	<0.05	**390**	<10	<10
	GW06IR		23-Aug-05	10	<10	<10	<10	<10	<10	<10	<10	<10	**0.19**	<0.05	<0.1	<10	<10	<10	<10	<10	0.15	<0.1	**33**	<10	<10	15	<0.05	**1400**	**29**	<10
	06IR		1-Dec-05	19	<10	<10	<10	<10	<10	<10	<10	<10	**0.16**	<0.050	<0.10	<10	<10	<10	<10	<10	0.1	<0.10	**39**	<10	<10	13	<0.050	**1300**	**38**	<10
	06IR		1-Mar-06	16	<10	<10	<10	<10	<10	<10	<10	<10	**0.41**	0.05	**0.29**	<10	<10	<10	<10	<10	0.19	0.28	**29**	<10	<10	11	0.36	**1200**	**23**	<10
	06IR		7-Jun-06	12	<10	<10	<10	<10	<10	<10	<10	<10	**0.17**	<0.050	<0.10	<10	<10	<10	<10	<10	0.14	<0.10	**38**	<10	<10	12	<0.050	**1800**	**28**	<10
	IR		11-Dec-06	18	<10	<10	<10	<10	<10	<10	<10	<10	**0.16**	<0.050	<0.10	<10	<10	<10	<10	<10	0.11	<0.10	**38**	<10	<10	<10	0.05	**1400**	**31**	<10
	IR		5-Jun-07	30	<10	<10	<10	<10	<10	55	<10	<10	**0.83**	0.06	0.17	<10	<10	<10	<10	**29**	**0.44**	<0.10	**60**	<10	<10	28	<0.050	**4100**	**39**	<10
	WST-G-GW 6IR		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.24**	<0.050	0.11	<10	<10	NA	NA	NA	**0.24**	<0.10	NA	NA	<10	<10	<0.050	**1500**	**20**	<10
	WST-G-DUP1		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	19	**0.47**	<0.050	<0.10	<10	<10	NA	NA	NA	0.14	<0.10	NA	NA	<10	10	<0.050	**870**	**18**	<10
	06IR		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.86**	**0.41**	**0.35**	<10	<10	NA	NA	NA	**0.4**	**0.34**	NA	NA	<10	10	0.39	**990**	**20**	<10
	DUPE-1		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.34**	0.07	0.11	<10	<10	NA	NA	NA	**0.35**	<0.10	NA	NA	<10	<10	0.09	**1200**	**23**	<10
	WST-G-GW6I		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.41**	0.06	<0.10	<10	<10	NA	NA	NA	**0.32**	<0.10	NA	NA	<10	13	<0.050	**1100**	**28**	<10
	Dupe-1		1-Jul-09	NA	NA	NA	NA	NA	NA	160	<10	<10	**0.6**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.28**	<0.10	NA	NA	<10	63	<0.050	**5700**	**57**	<10
	WST-G-GW6I		1-Jul-09	NA	NA	NA	NA	NA	NA	150	<10	<10	**0.89**	0.1	0.14	<10	<10	NA	NA	NA	**0.45**	<0.10	NA	NA	10	62	0.08	**5200**	**61**	<10
	WST-G-GW6I		9-Dec-09	NA	NA	NA	NA	NA	NA	11	<10	<10	**0.27**	<0.050	<0.10	<10	<10	NA	NA	NA	0.18	<0.10	NA	NA	<10	15	<0.050	**2200**	**38**	<10
	GW-6I		30-Nov-11	NA	NA	NA	NA	NA	NA	85	**2.9**	0.47	**0.24**	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	0.18	<0.10	NA	NA	4.4	53	<0.050	**4500**	**39**	2.0
	DUP-2		30-Nov-11	NA	NA	NA	NA	NA	NA	88	<10	<0.50	<0.50	<0.050	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	3.8	62	<0.50	**5100**	**45**	1.9
	GW-6I		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**21**	<10	<10
	DUP-3		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**39**	<10	<10
	GW-6I		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**310**	<10	<10
	GW-6I		10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-6I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-6I		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-06S	GW-06S	µg/L	23-Mar-95							300	**7**	<5		<5	<5	<5	<5				<5				<5	76	<5	**7000**	**60**	<5
	GW-06S		21-Apr-98							89	<5	<5		<5	<5	<5	<5				<5				<5	35	<5	**1800**	**25**	<5
	GW-06S		8-Feb-00							160	**5**	<5		<5	<5	<5	<5				<5				<5	32	<5	**1400**	**12**	<5
	006S		14-Apr-04							180	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	62	<10	**3300**	**23**	<10
	GW6SR		23-Sep-04	35	300	<10	<10	**47**	**30**	240	<10	<10	**0.11**	<0.05	<0.1	<10	<10	<10	<10	**120**	<0.05	<0.1	**110**	<10	<10	85	<0.05	**5900**	**52**	<10
	6SR		10-Dec-04	64	280	<10	<10	**48**	**35**	300	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**110**	<0.05	<0.1	**130**	<10	<10	110	<0.05	**6400**	**89**	<10
	WST-G-DUP2		23-Mar-05	<10	210	<10	<10	**34**	**23**	150	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	**60**	<10	<10	58	<0.05	**2400**	**35**	<10
	GW06SR		23-Mar-05	13	210	<10	<10	<10	**25**	160	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**44**	<0.05	<0.1	**64**	<10	<10	60	0.06	**2800**	**32**	<10
	GW06SR		15-Jun-05	<10	250	<10	<10	**35**	**25**	110	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**35**	<0.05	<0.1	**38**	<10	<10	43	<0.05	**2700**	**27**	<10
	GW06SR		22-Aug-05	<10	130	<10	<10	**30**	**16**	110	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**63**	<0.05	<0.1	**47**	<10	<10	47	<0.05	**1500**	**30**	<10
	WST-G-DUP 01		1-Dec-05	18	270	<10	<10	**32**	<10	150	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**140**	<0.050	<0.10	**75**	<10	<10	66	<0.050	**5000**	**40**	<10
	06SR		1-Dec-05	<10	340	<10	<10	**35**	<10	160	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**150**	<0.050	<0.10	**77**	<10	<10	70	<0.050	**6000**	**43**	<10
	06SR		1-Mar-06	14	260	<10	<10	**23**	<10	180	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**66**	<10	<10	63	<0.050	**3700**	**42**	<10
	06SR		7-Jun-06	<10	300	<10	<10	**24**	**20**	240	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**67**	<10	<10	74	<0.050	**4200**	**43**	<10
	SR		11-Dec-06	<10	50	<10	<10	<10	<10	57	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**21**	<10	<10	23	0.06	**760**	**17**	<10
	SR		7-Jun-07	11	49	<10	<10	<10	<10	65	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**21**	<10	<10	24	<0.050	**410**	**11**	<10
	6SR		12-Dec-07	NA	NA	NA	NA	NA	NA	110	<10	<10	0.08	0.06	<0.10	<10	<10	NA	NA	NA	0.08	<0.10	NA	NA	<10	41	0.06	**2200**	**25**	<10
	06SR		10-Jun-08	NA	NA	NA	NA	NA	NA	67	<10	<10	0.09	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	36	<0.050	**1100**	**13**	<10
	WST-G-GW6S		4-Feb-09	NA	NA	NA	NA	NA	NA	27	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.05	<0.10	NA	NA	<10	15	<0.050	**370**	**12**	<10
	WST-G-GW6S		1-Jul-09	NA	NA	NA	NA	NA	NA	58	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	26	<0.050	**120**	<10	<10
	WST-G-GW6S		9-Dec-09	NA	NA	NA	NA	NA	NA	70	<10	<10	**0.35**	**0.29**	**0.31**	<10	<10	NA	NA	NA	**0.29**	**0.32**	NA	NA	<10	38	0.29	**700**	**17**	<10
	GW-6S		30-Nov-11	NA	NA	NA	NA	NA	NA	32	<1.0	1.1	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	0.99	12	<0.050	**290**	**15**	0.45
	GW-6S		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**22**	<10	<10
	GW-6S		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**28**	<10	<10
	GW-6S		10-Dec-15	NA	NA	NA	NA	NA	NA	30	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**170**	**16**	<10
	GW-6S		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**<10**	<10	<10
	GW-6S		20-Sep-17	NA	NA	NA	NA	NA	NA	24	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-3		20-Sep-17	NA	NA	NA	NA	NA	NA	21	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-07I	GW-07I	µg/L	14-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-07I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-07I		22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW 007I		14-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW7IR		23-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	07IR		8-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP5		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW07IR		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	07IR		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW07IR		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-08D	GW-08D	µg/L	14-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-08D		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-08D Dup		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-08D		14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW08D		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-8D		9-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW08D		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GWDUP 5		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-08S	GW-08S	µg/L	7-Dec-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-08S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-08S		14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW08S		14-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-8S		9-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP-4		8-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		8-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-09I	GW-09I	µg/L	7-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09I		8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
GW-09S	GW-09S	µg/L	7-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09S		16-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09S		8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	**26**	<5	<5
	GW-09S		28-Jun-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-09S Dup		28-Jun-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
GW-10I	GW-10I	µg/L	3-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	5	<5	<5
	GW-10I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-10I		30-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW10I		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 10I		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW10I		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-10S	GW-10S	µg/L	3-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	13	<5	<5
	GW-10S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-10S		22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW10S		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP 5		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	10S		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		8-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-11D	WST-G-GW11D	µg/L	12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.27**	0.07	**0.26**	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	0.1	<10	<10	<10

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Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-11I	GW-11I	µg/L	7-Nov-94							12	<5	<5		<5	<5	<5	<5				<5				<5	32	<5	**1100**	**47**	<5
	GW-11I		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	28	<5	**1900**	**43**	<5
	GW-11I		31-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	33	<5	**2400**	**60**	<5
	GW-11I		22-Apr-98							6	<5	<5		<5	<5	<5	<5				<5				<5	37	<5	**3000**	**66**	<5
	GW-11I		4-Feb-00							6	<5	<5		<5	<5	<5	<5				<5				<5	30	<5	**4200**	**96**	<5
	WS-W-GW11I		14-Feb-03		<10	<10	<10	<10	<10	12	<10	<10	<10	<10	<10	<10	<10	<10		**26**	<10	<10	**97**	<10	<10	34	<10	**2300**	**71**	<10
	WS-W-GW-11I		13-Apr-04							21	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	35	<10	**2800**	**60**	<10
	WST-G-GW11I		29-Sep-04	18	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.05	<0.1	<10	<10	<10	<10	**21**	<0.05	<0.1	**40**	<10	<10	16	0.07	**1300**	**28**	<10
	WST-G-DUP2		16-Dec-04	36	<10	<10	<10	<10	<10	19	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**26**	<0.05	<0.1	**74**	<10	<10	29	<0.05	**2100**	**45**	<10
	WST-G-GW-11I		16-Dec-04	36	<10	<10	<10	<10	<10	19	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**26**	<0.05	<0.1	**75**	<10	<10	29	<0.05	**2300**	**45**	<10
	WST-G-GW11I		29-Mar-05	23	<10	<10	<10	<10	<10	18	<10	<10	0.05	0.08	0.16	<10	<10	<10	<10	**28**	0.08	<0.1	**58**	<10	1.7	21	0.1	**1800**	**35**	<10
	WST-G-GW11I		21-Jun-05	46	<10	<10	<10	<10	<10	33	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**45**	<0.05	<0.1	**94**	<10	<10	38	<0.05	**3000**	**54**	<10
	WST-G-GW11I		29-Aug-05	38	<10	<10	<10	<10	<10	30	<10	<10	<0.05	<0.05	0.1	<10	<10	<10	<10	**41**	0.06	<0.1	**85**	<10	<10	34	0.05	**2500**	**51**	<10
	WST-G-GW 11I		6-Dec-05	42	<10	<10	<10	<10	<10	33	<10	<10	**0.13**	0.11	**0.28**	<10	<10	<10	<10	**40**	0.13	<0.10	**91**	<10	<10	37	0.16	**2700**	**58**	<10
	WST-G-GW 11I		7-Mar-06	40	<10	<10	<10	<10	<10	35	<10	<10	<0.050	<0.050	0.19	<10	<10	<10	<10	**38**	0.07	<0.10	**89**	<10	<10	37	0.13	**2100**	**50**	<10
	WST-G-GW-11I		15-Jun-06	36	<10	<10	<10	<10	<10	34	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**33**	<0.050	<0.10	**73**	<10	<10	32	<0.050	**1500**	**41**	<10
	WST-G-GW 11I		14-Dec-06	38	<10	<10	<10	<10	<10	38	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**31**	<0.050	<0.10	**86**	<10	<10	36	0.05	**1600**	**49**	<10
	WST-G-GW 11I		13-Jun-07	40	<10	<10	<10	<10	<10	43	<10	<10	0.09	0.14	**0.34**	<10	<10	<10	<10	**35**	0.16	<0.10	**87**	<10	<10	39	0.14	**2900**	**48**	<10
	WST-G-GW 11I		13-Dec-07	NA	NA	NA	NA	NA	NA	35	<10	<10	**0.1**	0.13	**0.25**	<10	<10	NA	NA	NA	0.15	<0.10	NA	NA	<10	33	0.14	**2000**	**45**	<10
	WST-G-GW11I		12-Jun-08	NA	NA	NA	NA	NA	NA	66	<10	<10	**0.18**	0.12	**0.21**	<10	<10	NA	NA	NA	0.1	<0.10	NA	NA	<10	66	0.13	**3100**	**81**	<10
	WST-G-GW11I		3-Feb-09	NA	NA	NA	NA	NA	NA	52	<10	<10	**0.63**	**0.54**	**0.65**	<10	<10	NA	NA	NA	**0.61**	**0.51**	NA	NA	<10	48	**0.57**	**1500**	**65**	<10
	WST-G-GW11I		30-Jun-09	NA	NA	NA	NA	NA	NA	43	<10	<10	**0.29**	0.17	0.18	<10	<10	NA	NA	NA	0.16	**0.31**	NA	NA	<10	41	0.27	**1900**	**51**	<10
	WST-G-GW 11I		9-Dec-09	NA	NA	NA	NA	NA	NA	53	<10	<10	0.05	0.1	**0.2**	<10	<10	NA	NA	NA	0.12	<0.10	NA	NA	<10	54	0.12	**1100**	**64**	<10
	GW-11I		29-Nov-11	NA	NA	NA	NA	NA	NA	35	**1.4**	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	2.8	38	<0.050	**1400**	**36**	0.17
	GW-11I		11-Dec-12	NA	NA	NA	NA	NA	NA	51	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	56	<0.050	**1500**	**56**	<10
	GW-11I		14-Jan-14	NA	NA	NA	NA	NA	NA	31	<10	<1.0	<0.050	0.052	0.13	<10	<10	NA	NA	NA	0.083	<0.10	NA	NA	<10	40	0.053	**530**	**24**	<10
	GW-11I		8-Dec-15	NA	NA	NA	NA	NA	NA	39	<10	<10	0.053	0.065	0.19	<10	<10	NA	NA	NA	0.16	<0.10	NA	NA	<10	52	0.061	**1300**	**39**	<10
	DUP-1		8-Dec-15	NA	NA	NA	NA	NA	NA	<1000	<10	<10	<0.050	<0.050	0.14	<10	<10	NA	NA	NA	0.095	<0.10	NA	NA	<10	<1000	<0.050	**1400**	<1000	<10
	GW-11I		7-Dec-16	NA	NA	NA	NA	NA	NA	36	<10	<10	0.064	0.11	**0.26**	<10	<10	NA	NA	NA	0.18	<0.10	NA	NA	<10	43	0.1	**750**	**26**	<10
	GW-11I		20-Sep-17	NA	NA	NA	NA	NA	NA	23	<10	<10	0.057	0.079	0.13	<10	<10	NA	NA	NA	0.092	<0.10	NA	NA	<10	36	0.1	**610**	**20**	<10

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Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-11S	GW-11S	µg/L	7-Nov-94							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-11S		23-Mar-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-11S		22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-11S		4-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-DUP 2		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.05	0.14	<10	<10	<10	<10	<10	0.08	<0.1	<10	<10	<10	<10	0.06	<10	<10	<10
	WST-G-GW11S		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	11S		16-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW11S		29-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.09	<0.1	<10	<10	<10	<10	<10	<0.05	0.19	<10	<10	<10	<10	0.15	<10	<10	<10
	WST-G-GW11S		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW11S		29-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	11S		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	11S		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	11S		15-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	11S		14-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	11S		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	11S		r	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW11S		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	0.13	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW11S		3-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.06	0.07	<0.10	<10	<10	NA	NA	NA	0.06	<0.10	NA	NA	<10	<10	0.08	<10	<10	<10
	WST-G-GW11S		30-Jun-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW11S		9-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.1**	0.08	0.11	<10	<10	NA	NA	NA	0.09	<0.10	NA	NA	<10	<10	0.1	<10	<10	<10
	GW-11S		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-11S		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-11S		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-11S		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.18**	**0.29**	**0.51**	<10	<10	NA	NA	NA	**0.31**	<0.10	NA	NA	<10	<10	0.15	<10	<10	<10
	GW-11S		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	**<0.050**	**<0.050**	**<0.10**	<10	<10	NA	NA	NA	**0.057**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-11S		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.14**	0.17	**0.38**	<10	<10	NA	NA	NA	**0.28**	<0.10	NA	NA	<10	<10	0.14	<10	<10	<10

Table 4
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Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-12D	GW-12D	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-12D		6-Jan-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-12D		3-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	012D		14-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW12DR		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.1**	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	12DR		14-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12DR		30-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12DR		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12DR		30-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP 2		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12DR		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12DR		8-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12DR		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	DR MS/MSD		13-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12D		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12D		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP 3 120		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.48**	**0.5**	**0.51**	<10	<10	NA	NA	NA	**0.52**	**0.58**	NA	NA	<10	<10	**0.55**	<10	<10	<10
	GW12DR		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**1.2**	**0.64**	**0.51**	<10	<10	NA	NA	NA	**0.67**	**0.61**	NA	NA	<10	<10	**0.67**	<10	<10	<10
	WST-G-GW12D		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.25**	**0.21**	**0.24**	<10	<10	NA	NA	NA	**0.27**	0.18	NA	NA	<10	<10	0.19	18	<10	<10
	WST-G-12DR		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.46**	0.17	0.19	<10	<10	NA	NA	NA	**0.27**	0.17	NA	NA	<10	<10	0.18	<10	<10	<10
	WST-G-GW12D		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12D		1-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-12D		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12D		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12D		7-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12D		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12D		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

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Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-12I	GW-12I	µg/L	3-Nov-94							700	**18**	32		<5	<5	<5	<5				<5				55	350	<5	**5000**	**350**	28
	GW-12I		6-Jan-97							240	**13**	15		<5	<5	<5	<5				<5				35	170	<5	**1900**	**220**	16
	GW-12I		21-Apr-98							240	**17**	16		<5	<5	<5	<5				<5				43	170	<5	**2200**	**220**	20
	GW-12I		3-Feb-00							330	**20**	15		<5	<5	<5	<5				<5				45	160	<5	**4400**	**300**	20
	WS-W-GW12I		14-Feb-03		<10	<10	<10	<10	<10	120	<10	<10	<10	<10	<10	<0.1	<10	**10**		**80**	<10	<0.1	**99**	<10	28	89	<0.05	**1200**	**110**	13
	WS-W-GW-012I		15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW12IR		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	12IR		13-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	**11**	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12IR		31-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12IR		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW12IR		30-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	12IR		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12IR		8-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12IR		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	IR		13-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12IR		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	12IR		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.88**	**0.91**	**0.99**	<10	<10	NA	NA	NA	**0.88**	**1**	NA	NA	<10	<10	**0.98**	<10	<10	<10
	GW12IR		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.14**	0.14	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW12I		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.10	<0.10	<0.20	<10	<10	NA	NA	NA	0.1	<0.20	NA	NA	<10	<10	<0.10	<10	<10	<10
	WST-G-12IR		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.42**	0.05	<0.10	<10	<10	NA	NA	NA	**0.2**	<0.10	NA	NA	<10	<10	0.05	<10	<10	<10
	WST-G-GW12I		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12I		1-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-12I		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<0.10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12I		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.053	0.051	<0.10	<0.10	<10	NA	NA	NA	0.053	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12I		7-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12I		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-12 I		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-12S	GW-12S	µg/L	3-Nov-94							550	**20**	24		<5	<5	<5	<5				<5				65	300	<5	**3000**	**350**	33
	GW-12S		6-Jan-97							280	**7**	12		<5	<5	<5	<5				<5				24	130	<5	**1900**	**150**	13
	GW-12S		22-Apr-98							440	**18**	17		<5	<5	<5	<5				<5				47	220	<5	**3800**	**240**	24
	GW-12S		3-Feb-00							43	<5	<5		<5	<5	<5	<5				<5				6	25	<5	**180**	**42**	<5
	012S		14-Apr-04							250	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	99	<10	**2800**	**63**	<10
	GW12SR		29-Sep-04	30	<10	<10	<10	<10	<10	130	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	**89**	<10	<10	64	<0.05	**2900**	**59**	<10
	12SR		14-Dec-04	79	<10	<10	<10	<10	<10	330	**12**	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**120**	<0.05	<0.1	**220**	<10	<10	130	<0.05	**5200**	**110**	<10
	GW12SR		30-Mar-05	85	<10	<10	<10	<10	<10	320	**13**	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**220**	<0.05	<0.1	**210**	<10	<10	120	<0.05	**5000**	**100**	<10
	GW12SR		22-Jun-05	69	<10	<10	<10	<10	<10	270	**13**	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**210**	<0.05	<0.1	**190**	<10	<10	120	<0.05	**3800**	**110**	<10
	GW12SR		30-Aug-05	69	<10	<10	<10	<10	<10	310	**14**	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**210**	0.07	0.11	**210**	<10	<10	120	0.05	**4800**	**110**	<10
	12SR		6-Dec-05	72	<10	<10	<10	<10	<10	300	**12**	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**230**	<0.050	<0.10	**200**	<10	<10	110	<0.050	**5400**	**99**	<10
	12SR		8-Mar-06	83	<10	<10	<10	<10	<10	380	**14**	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**100**	<0.050	<0.10	**230**	<10	<10	130	<0.050	**5500**	**100**	<10
	12SR		13-Jun-06	45	<10	<10	<10	<10	<10	370	**10**	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**130**	<0.050	<0.10	**130**	<10	<10	98	<0.050	**4800**	**83**	<10
	SR		13-Dec-06	46	<10	<10	<10	<10	<10	240	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**120**	<0.050	<0.10	**130**	<10	<10	92	<0.050	**3100**	**69**	<10
	12SR		13-Jun-07	69	<10	<10	<10	<10	<10	290	**12**	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**160**	<0.050	<0.10	**180**	<10	<10	140	<0.050	**2600**	**99**	<10
	12S		13-Dec-07	NA	NA	NA	NA	NA	NA	260	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	110	<0.050	**3000**	**87**	<10
	GW12SR		12-Jun-08	NA	NA	NA	NA	NA	NA	360	<10	<10	**0.16**	0.15	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	180	<0.050	**4900**	**140**	<10
	WST-G-GW12S		4-Feb-09	NA	NA	NA	NA	NA	NA	340	**12**	<10	0.09	0.07	<0.10	<10	<10	NA	NA	NA	0.1	<0.10	NA	NA	<10	160	0.08	**4100**	**110**	<10
	GW12SR		1-Jul-09	NA	NA	NA	NA	NA	NA	270	**12**	<10	**0.36**	**0.26**	**0.25**	<10	<10	NA	NA	NA	**0.23**	0.28	NA	NA	<10	140	0.31	**3500**	**110**	<10
	WST-G-GW12S		8-Dec-09	NA	NA	NA	NA	NA	NA	340	**12**	<10	0.09	0.07	<0.10	<10	<10	NA	NA	NA	0.09	<0.10	NA	NA	<10	150	0.07	**3800**	**120**	<10
	GW-12S		1-Dec-11	NA	NA	NA	NA	NA	NA	250	<10	3.3	<0.50	<0.050	<0.10	<1.0	<0.50	NA	NA	NA	<0.50	<0.10	NA	NA	4.1	110	<0.050	**4600**	**98**	1.6
	GW-12S		11-Dec-12	NA	NA	NA	NA	NA	NA	320	**11**	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	150	<0.050	**5500**	**140**	<10
	GW-12S		14-Jan-14	NA	NA	NA	NA	NA	NA	190	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	0.09	NA	NA	<10	100	0.18	**2700**	**91**	<10
	GW-12S		7-Dec-15	NA	NA	NA	NA	NA	NA	450	**10**	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	200	<0.050	**7000**	**190**	<10
	GW-12S		7-Dec-16	NA	NA	NA	NA	NA	NA	330	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	150	<0.050	**3100**	**120**	<10
	GW-12S		19-Sep-17	NA	NA	NA	NA	NA	NA	340	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	150	<0.050	**4300**	**130**	<10
GW-13I	GW-13I	µg/L	9-Feb-95							18	<5	9		<5	<5	<5	<5				<5				<5	21	<5	<5	**19**	<5
	GW-13IA dup		9-Feb-95							18	<5	8		<5	<5	<5	<5				<5				<5	19	<5	<5	**15**	<5
	GW-13I		7-Jan-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-13I		3-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW 013I		14-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW13I		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-13I		20-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW13I		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 13I		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-13I		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

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Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-13S	GW-13S	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-13S		7-Jan-98							6	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-13S		21-Apr-98							7	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-13S		3-Feb-00							11	<5	5		<5	<5	<5	<5				<5				<5	12	<5	<5	15	<5
	013S		14-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW13S		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	13S		20-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW13S		22-Jun-05	<10	<10	<10	<10	<10	<10	11	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	13S		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.06	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	13S		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	13S		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW13S		11-Jun-08	NA	NA	NA	NA	NA	NA	12	<10	<10	**0.1**	0.08	<0.10	<10	<10	NA	NA	NA	0.06	<0.10	NA	NA	<10	<10	0.07	<10	<10	<10
	WST-G-GW13S		4-Feb-09	NA	NA	NA	NA	NA	NA	16	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.05	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW13S		1-Jul-09	NA	NA	NA	NA	NA	NA	11	<10	<10	**0.48**	**0.36**	**0.37**	<10	<10	NA	NA	NA	**0.32**	**0.44**	NA	NA	<10	<10	**0.43**	<10	<10	<10
	WST-G-GW13S		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.18**	0.09	0.1	<10	<10	NA	NA	NA	0.09	0.1	NA	NA	<10	<10	0.11	<10	<10	<10
	GW-13S		1-Dec-11	NA	NA	NA	NA	NA	NA	22	<1.0	1.5	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	1.6	1.1	<0.050	0.79	**2.3**	0.71
	GW-13S		11-Dec-12	NA	NA	NA	NA	NA	NA	17	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-13S		13-Jan-14	NA	NA	NA	NA	NA	NA	15	<1.0	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-13S		8-Dec-15	NA	NA	NA	NA	NA	NA	19	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-13S		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-13S		19-Sep-17	NA	NA	NA	NA	NA	NA	16	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-14I	GW-14I	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-14I		21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-14I		3-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-014I		15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-DUP3		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14I		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-14I		20-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14I		30-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14I		24-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14I		29-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 14I		8-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 14I		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	0.11	<10	<10	<10	<10	0.13	<10	<10	<10
	WST-G-GW-14I		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		12-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-14I		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-14S	GW-14S	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-14S		21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-14S		3-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	014S		15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW14S		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	14S		17-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP3		30-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.12	<0.1	<10	<10	<10	<10	<10	0.05	0.2	<10	<10	<10	<10	0.2	<10	<10	<10
	WST-G-GW14S		30-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP 03		23-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14S		23-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW14S		29-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	14S		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP2		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	14S		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	DUP-02		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	14S		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		12-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	14S		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW-14S		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-15I	GW-15I	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-15I		21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G_GW15I		31-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW15I		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW15I		30-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 15I		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 15I		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-15I		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		12-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-15I		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW-15I		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	NA	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-15S	GW-15S	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-15S		21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW15S		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	15S		17-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW15S		30-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW15S		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP2		30-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW15S		30-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	15S		6-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	15S		7-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	15S		13-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		12-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	15S		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GW-15S		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-16I	GW-16I	µg/L	9-Feb-95							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-16I		16-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-16I		5-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-016I		16-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW16I		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-16I		8-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW16I		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-16I		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 16I		11-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	0.13	0.15	<10	<10	NA	NA	NA	0.13	0.12	NA	NA	<10	<10	0.14	<10	<10	<10
	WST-G-GW-16I		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW16I		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.27**	**0.22**	**0.26**	<10	<10	NA	NA	NA	**0.3**	0.18	NA	NA	<10	<10	0.21	<10	<10	<10
	WST-G-GW16I		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	13	<10	<10
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-16 I		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	0.26	<0.050	0.56	**0.082**	<0.050
	GW-16I		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-16I		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-16I		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-16I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-16I		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-16S	GW-16S	µg/L	9-Feb-95							8	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-16S		31-Dec-97							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-16S		16-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-16S		5-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	016S		15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW16S		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP4		8-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	16S		8-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW16S		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	16S		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-17I	GW-17I	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-17I		4-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-017I		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-DUP4		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW17I		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.07	<0.1	<10	<10	<10	<10	<10	<0.05	0.19	<10	<10	<10	<10	0.21	<10	<10	<10
	WST-G-GW-17I		15-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW17I		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 17I		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-17I		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 17I		13-Dec-07	`	`	NA	NA	`	NA	<10	<10	<10	**1.1**	**1.2**	**1.4**	<10	<10	NA	NA	NA	**1.2**	**1.2**	NA	NA	<10	<10	**1.2**	<10	<10	<10
	WST-G-GW17I		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.29**	**0.32**	**0.22**	<10	<10	NA	NA	NA	**0.28**	0.24	NA	NA	<10	<10	0.26	<10	<10	<10
	WST-G-GW17I		3-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	12	<10	<10
	WST-G-GW17I		30-Jun-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.85**	**0.55**	**0.63**	<10	<10	NA	NA	NA	**0.64**	**0.56**	NA	NA	<10	<10	**0.57**	<10	<10	<10
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-17 I		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-17I		10-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-17I		13-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-17I		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-17I		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-17I		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-17S	GW-17S	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-17S		4-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	017S		13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW17S		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	17S		15-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW17S		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	17S		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	17S		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

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Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-18I	GW-18I	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-18I		8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	19	<5	<5
	GW-18I		28-Jun-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-018I		12-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW18I		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-18I		16-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW18I		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-18I		15-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	0.05	<10	<10	<10
	WST-G-GW-18I		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 18I		14-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	0.05	<0.10	<10	<10	NA	NA	NA	0.05	<0.10	NA	NA	<10	<10	0.06	<10	<10	<10
	WST-G-DUP3		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW18I		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUPE-3		3-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW18I		3-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	0.1	0.11	<10	<10	NA	NA	NA	0.15	<0.10	NA	NA	<10	<10	0.11	<10	<10	<10
	Dupe-3		30-Jun-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW18I		30-Jun-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-3		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW18I		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	0.05	<10	<10	<10
	GW-18I		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	0.97	<0.050	<0.050
	DUP-1		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-18I		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-1		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18I		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18I		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18I		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18I		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-18S	GW-18S	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-18S		4-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	018S		12-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW18S		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.1**	0.17	**0.37**	<10	<10	<10	<10	<10	**0.25**	<0.1	<10	<10	<10	<10	0.15	<10	<10	<10
	18S		16-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.13	**0.26**	<10	<10	<10	<10	<10	0.17	<0.1	<10	<10	<10	<10	0.11	<10	<10	<10
	WST-G-GW18S		21-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	18S		15-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	18S		13-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.32**	0.08	**0.32**	<10	<10	<10	<10	<10	0.17	<0.10	<10	<10	<10	<10	0.12	<10	<10	<10
	18S		14-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW18S		12-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.74**	**0.34**	**0.66**	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	0.3	<10	<10	<10
	WST-G-GW18S		3-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.65**	**0.44**	**0.69**	<10	<10	NA	NA	NA	**0.65**	**0.46**	NA	NA	<10	<10	**0.48**	<10	<10	<10
	WST-G-GW18S		30-Jun-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	10	<10	<10
	WST-G-GW18S		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18S		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	0.092	**0.29**	**0.81**	**0.41**	**0.22**	NA	NA	NA	**0.4**	<0.10	NA	NA	0.57	<0.10	**0.41**	<0.50	**0.1**	0.41
	GW-18S		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.063	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-18S		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	0.057	<10	<10	<10
	GW-18S		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	0.089	**0.35**	<10	<10	NA	NA	NA	**0.21**	<0.10	NA	NA	<10	<10	0.11	<10	<10	<10
	GW-18S		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.092	0.17	**0.48**	<10	<10	NA	NA	NA	**0.29**	<0.10	NA	NA	<10	<10	0.19	<10	<10	<10
	GW-18S		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.063	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-19I	GW-19I	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW19I		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 19I		12-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW19I		12-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-19S	GW-19S	µg/L	22-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW19S		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	19S		12-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		8-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-20I	GW-20I	µg/L	14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-20I		5-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW20IR		22-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	0.14	<10	<10	<10	<10	0.15	<10	<10	<10
	20IR		9-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW20IR		24-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	0.16	<10	<10	<10	<10	0.22	**49**	<10	<10
	WST-G-GW20I		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW20IR		23-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	**56**	<10	<10
	20IR		1-Dec-05	<10	<10	<10	<10	<10	<10	13	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**16**	<10	<10	13	<0.050	**210**	**24**	<10
	WST-G-DUP 1		1-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	**29**	<10	<10
	WST-G-GW 20I		1-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	20IR		7-Jun-06	<10	<10	<10	<10	<10	<10	10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	12	<0.050	**270**	**16**	<10
	I R		6-Dec-06	<10	<10	<10	<10	<10	<10	11	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**15**	<10	<10	11	<0.050	**120**	**20**	<10
	GW20IR		11-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.05	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	**10**	<10	<10	<10	<0.050	**100**	**12**	<10
	WST-G-GW 20I		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.06	<0.050	<0.10	<10	<10	NA	NA	NA	0.07	<0.10	NA	NA	<10	11	0.05	**120**	**20**	<10
	GW20IR		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.22**	0.15	0.12	<10	<10	NA	NA	NA	0.18	0.11	NA	NA	<10	<10	0.12	**88**	**11**	<10
	WST-G-GW20I		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.35**	**0.29**	**0.34**	<10	<10	NA	NA	NA	**0.36**	0.23	NA	NA	<10	<10	0.28	<10	<10	<10
	GW20IR		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.1**	0.06	<0.10	<10	<10	NA	NA	NA	0.09	<0.10	NA	NA	<10	10	0.07	**98**	**22**	<10
	GW-20 I		30-Nov-11	NA	NA	NA	NA	NA	NA	9.1	<10	<0.50	<0.050	<0.050	<0.10	<0.10	<0.50	NA	NA	NA	<0.050	<0.10	NA	NA	1.7	8.3	<0.50	**160**	**13**	0.69
	GW-20 I		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**230**	**16**	<10
	GW-20 I		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.051	<10	<10	<10
	GW-20I		9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**97**	<10	<10
	GW-20I		27-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	<10	<10	<10
	GW-20I		18-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-20I		4-Oct-16	NA	NA	NA	NA	NA	NA	<1000	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<1000	<0.050	**78**	<1000	<10
	GW-20I		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**<10**	<10	<10
	GW-20I		19-Sep-17	NA	NA	NA	NA	NA	NA	<1000	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<1000	<0.050	**110**	**12**	<10
	DUP-2		19-Sep-17	NA	NA	NA	NA	NA	NA	16	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.06	<0.10	NA	NA	<10	14	0.055	**170**	**20**	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-20S	GW-20S	µg/L	14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-20S		5-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	7	<5	<5
	020S		15-Apr-04							100	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	71	<10	**3100**	**34**	<10
	GW20SR		22-Sep-04	46	<10	<10	<10	<10	<10	130	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**33**	<0.05	<0.1	**130**	<10	<10	76	<0.05	**3800**	**74**	<10
	20SR		9-Dec-04	<10	<10	<10	<10	<10	<10	100	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**42**	<0.05	<0.1	**98**	<10	<10	63	<0.05	**4400**	**52**	<10
	GW20SR		24-Mar-05	12	<10	<10	<10	<10	<10	77	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**23**	<0.05	<0.1	**81**	<10	<10	50	0.1	**2500**	**52**	<10
	WST-G-GW20S		16-Jun-05	23	<10	<10	<10	<10	<10	81	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**21**	<0.05	<0.1	**87**	<10	<10	57	<0.05	**2600**	**66**	<10
	GW20SR		23-Aug-05	28	<10	<10	<10	<10	<10	69	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	**23**	<0.05	<0.1	**89**	<10	<10	55	<0.05	**2800**	**71**	<10
	20SR		1-Dec-05	20	<10	<10	<10	<10	<10	57	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**16**	<0.050	<0.10	**65**	<10	<10	46	<0.050	**2400**	**50**	<10
	20SR		2-Mar-06	50	<10	<10	<10	<10	<10	100	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**25**	<0.050	<0.10	**97**	<10	<10	72	<0.050	**4700**	**63**	<10
	20SR		7-Jun-06	16	<10	<10	<10	<10	<10	57	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**16**	<0.050	<0.10	**52**	<10	<10	41	<0.050	**1400**	**34**	<10
	20SR		6-Dec-06	19	<10	**100**	<10	<10	<10	36	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**10**	<0.050	<0.10	**53**	<10	<10	33	0.05	**640**	**48**	<10
	SR		7-Jun-07	63	<10	<10	<10	<10	<10	120	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	**33**	<0.050	<0.10	**140**	<10	<10	94	<0.050	**3600**	**120**	<10
	20S		12-Dec-07	NA	NA	NA	NA	NA	NA	38	<10	<10	**0.34**	**0.29**	**0.34**	<10	<10	NA	NA	NA	**0.31**	**0.32**	NA	NA	<10	44	0.27	**580**	**64**	<10
	GW20SR		11-Jun-08	NA	NA	NA	NA	NA	NA	99	<10	<10	**0.1**	0.08	<0.10	<10	<10	NA	NA	NA	0.06	<0.10	NA	NA	<10	96	0.09	**1400**	**83**	<10
	WST-G-GW20S		5-Feb-09	NA	NA	NA	NA	NA	NA	95	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	87	<0.050	**3200**	**57**	<10
	GW20SR		1-Jul-09	NA	NA	NA	NA	NA	NA	73	<10	<10	**0.17**	0.07	<0.10	<10	<10	NA	NA	NA	0.07	<0.10	NA	NA	<10	79	0.09	**1300**	**59**	<10
	S		10-Dec-09	NA	NA	NA	NA	NA	NA	56	<10	<10	**0.27**	**0.23**	**0.23**	<10	<10	NA	NA	NA	**0.25**	0.21	NA	NA	<10	60	0.19	**920**	**26**	<10
	GW-20 S		30-Nov-11	NA	NA	NA	NA	NA	NA	35	<10	1.0	<0.50	<0.050	<0.10	<1.0	<0.50	NA	NA	NA	<0.050	<0.10	NA	NA	2.7	50	<0.050	**490**	**29**	0.95
	GW-20 S		13-Dec-12	NA	NA	NA	NA	NA	NA	50	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	59	<0.050	**430**	**37**	<10
	GW-20 S		14-Jan-14	NA	NA	NA	NA	NA	NA	46	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	49	<0.050	**740**	**16**	<10
	GW-20S		9-Dec-15	NA	NA	NA	NA	NA	NA	58	<10	<10	**0.19**	<0.050	<0.10	<10	<10	NA	NA	NA	0.058	<0.10	NA	NA	<10	71	<0.050	**840**	**38**	<10
	GW-20S		27-Apr-16	NA	NA	NA	NA	NA	NA	20	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	19	<0.05	**170**	<10	<10
	GW-20S		18-May-16	NA	NA	NA	NA	NA	NA	47	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	53	<0.050	**950**	**21**	<10
	GW-20S		3-Oct-16	NA	NA	NA	NA	NA	NA	49	<10	<10	0.094	<0.050	<0.10	<10	<10	NA	NA	NA	0.071	<0.10	NA	NA	<10	60	<0.050	**280**	**23**	<10
	GW-20S		8-Dec-16	NA	NA	NA	NA	NA	NA	13	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	12	<0.050	**21**	<10	<10
	GW-20S		21-Sep-17	NA	NA	NA	NA	NA	NA	23	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	25	<0.050	<10	<10	<10
GW-21I	GW-21I	µg/L	15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-21I		6-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW21I		17-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-21I		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-21S	GW-21S	µg/L	14-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW21S		17-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP 4		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	21S		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW21S		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-22D	GW-22D	µg/L	15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-22D		7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	22D		15-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22D		29-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22D		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22D		25-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	22D		7-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	22D		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	22D		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	D		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW22D		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-22I	GW-22I	µg/L	15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
GW-22S	WST-G-GW22S	µg/L	23-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.1**	0.11	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	22S		10-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22S		29-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22S		20-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW22S		25-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	22S		7-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	22S		3-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	22S		6-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW22S		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-23I	GW-23I	µg/L	21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-23I		8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	19	<5	<5
	WS-W-GW-023I		20-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW23I		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP3		21-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-23I		21-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW23I		29-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	0.08	<0.1	<10	<10	<10	<10	<10	<0.05	0.23	<10	<10	<10	<10	0.19	<10	<10	<10
	WST-G-GW23I		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW23I		31-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 23I		8-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 23I		3-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 23I		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		11-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-23I		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 23I		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.11**	0.11	0.12	<10	<10	NA	NA	NA	0.12	<0.10	NA	NA	<10	<10	0.08	<10	<10	<10
	WST-G-GW23I		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.5**	**0.54**	**0.29**	<10	<10	NA	NA	NA	**0.5**	0.26	NA	NA	<10	<10	0.29	<10	<10	<10
	WST-G-GW23I		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.14**	0.1	<0.10	<10	<10	NA	NA	NA	0.15	<0.10	NA	NA	<10	<10	0.09	<10	<10	<10
	WST-G-GW23I		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.18**	0.08	<0.10	<10	<10	NA	NA	NA	0.09	0.1	NA	NA	<10	<10	0.09	<10	<10	<10
	WST-G-GW23I		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	0.12	NA	NA	<10	<10	0.15	<10	<10	<10
	GW-23I		1-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-23I		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23I		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23I		7-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23I		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23I		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-23S	GW-23S	µg/L	21-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	GW-23S		8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	023S		19-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW23S		30-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	23S		21-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW23S		29-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW23S		22-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW23S		31-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	23S		8-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	23S		8-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	0.1	<10	<10	<10
	23S		14-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		11-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	23S		14-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	23S		13-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.17**	0.15	0.17	<10	<10	NA	NA	NA	0.16	0.15	NA	NA	<10	<10	0.16	<10	<10	<10
	WST-G-GW23S		11-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.55**	**0.42**	**0.3**	<10	<10	NA	NA	NA	**0.3**	**0.3**	NA	NA	<10	<10	0.34	<10	<10	<10
	WST-G-GW23S		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	16	<10	<10
	WST-G-GW23S		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.63**	**0.51**	**0.61**	<10	<10	NA	NA	NA	**0.45**	**0.66**	NA	NA	<10	<10	**0.62**	<10	<10	<10
	WST-G-GW23S		8-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	16	<10	<10
	GW-23S		1-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	0.33	<0.10	<0.050	0.80	**0.083**	0.21
	GW-23S		10-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.059	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23S		13-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23S		7-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23S		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-23S		19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-24I	GW-24I	µg/L	8-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				8	110	<5	2800	180	<5
	WS-W-GW-24I		19-Feb-03		<10	<10	<10	<10	<10	<10	<1	<0.05	<0.05	<0.05	<0.1	<0.1	<0.05	<10		<10	<0.05	<0.1	150	<10	<10	110	<0.05	1000	<0.05	<0.05
	WS-W-GW-024I		15-Apr-04							180	11	<10	<10	<10	<10	<10	<10				<10	<10			32	120	<10	1300	150	20
	GW24IR		28-Sep-04	79	<10	<10	<10	<10	<10	320	17	21	9.5	1.6	3.1	<10	<10	<10	<10	130	7.5	<0.1	290	<10	120	250	0.23	2600	430	70
	24IR		10-Dec-04	66	<10	<10	<10	<10	<10	320	15	14	1.4	0.17	0.36	<10	<10	<10	<10	120	1.2	<0.1	290	<10	38	230	<0.05	3000	280	19
	GW24IR		28-Mar-05	<10	<10	<10	<10	<10	<10	270	15	11	0.29	0.05	<0.1	<10	<10	<10	<10	76	0.17	<0.1	250	<10	18	190	0.07	2300	210	<10
	WST-G-GW24I		15-Jun-05	19	<10	<10	<10	<10	<10	190	15	<10	0.46	0.05	0.14	<10	<10	<10	<10	95	0.35	<0.1	150	<10	14	120	<0.05	1900	130	<10
	GW24IR		23-Aug-05	46	<10	<10	<10	<10	<10	230	13	10	0.33	<0.05	<0.1	<10	<10	<10	<10	89	0.23	<0.1	220	<10	19	140	0.07	2000	200	<10
	24IR		30-Nov-05	63	<10	<10	<10	<10	<10	310	17	15	0.61	<0.050	<0.10	<10	<10	<10	<10	77	0.3	<0.10	280	<10	26	220	<0.050	2500	270	12
	24IR		1-Mar-06	<10	<10	<10	<10	<10	<10	240	13	10	1	0.11	0.19	<10	<10	<10	<10	16	0.48	<0.10	200	<10	21	180	0.05	880	190	11
	24IR		8-Jun-06	38	<10	<10	<10	<10	<10	280	16	15	1.9	0.17	0.45	<10	<10	<10	<10	56	1	<0.10	250	<10	36	210	<0.050	1400	240	20
	WST-G-GW 24I		7-Dec-06	37	<10	<10	<10	<10	<10	260	12	12	0.94	0.09	0.23	<10	<10	<10	<10	31	0.66	<0.10	240	<10	25	200	<0.050	1400	260	14
	IR		7-Jun-07	42	<10	<10	<10	<10	<10	220	12	18	3.7	0.39	0.9	<10	<10	<10	<10	69	2.1	<0.10	190	<10	55	180	0.06	1500	270	27
	WST-G-GW 24I		12-Dec-07	NA	NA	NA	NA	NA	NA	210	12	13	1	0.28	0.45	<10	<10	NA	NA	NA	0.81	0.18	NA	NA	26	160	0.23	1400	180	14
	24IR		10-Jun-08	NA	NA	NA	NA	NA	NA	200	10	15	1.5	0.25	0.32	<10	<10	NA	NA	NA	0.66	0.14	NA	NA	34	170	0.17	980	210	16
	WST-G-GW24I		5-Feb-09	NA	NA	NA	NA	NA	NA	280	12	27	9.8	1.6	3	<10	<10	NA	NA	NA	7.7	0.23	NA	NA	91	240	0.46	1600	350	52
	GW24IR		1-Jul-09	NA	NA	NA	NA	NA	NA	480	24	34	29	5.4	9.3	<10	<10	NA	NA	NA	19	<0.10	NA	NA	280	380	1.1	2000	710	150
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	15	10	2.2	0.35	1.4	<10	<10	NA	NA	NA	1.4	<0.10	NA	NA	44	200	0.1	6200	270	29
	GW-24 I		1-Dec-11	NA	NA	NA	NA	NA	NA	220	<10	9.5	<0.50	<0.50	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	23	170	<0.50	1800	220	13
	GW-24 I		13-Dec-12	NA	NA	NA	NA	NA	NA	150	<10	<10	0.92	0.09	0.25	<10	<10	NA	NA	NA	0.76	<0.10	NA	NA	32	120	<0.050	1400	210	13
	GW-24 I		16-Jan-14	NA	NA	NA	NA	NA	NA	300	12	12.0	0.38	<0.050	<1.0	<10	<10	NA	NA	NA	0.24	<0.10	NA	NA	24	220	<0.050	2200	260	12
	GW-24I		9-Dec-15	NA	NA	NA	NA	NA	NA	180	<10	<10	0.61	<0.050	<0.10	<10	<10	NA	NA	NA	0.31	<0.10	NA	NA	21	130	<0.050	1300	180	16
	GW-24I		28-Apr-16	NA	NA	NA	NA	NA	NA	130	<10	<10	0.68	0.058	0.14	<10	<10	NA	NA	NA	0.47	<0.1	NA	NA	19	110	<0.05	37	80	12
	GW-24I		19-May-16	NA	NA	NA	NA	NA	NA	150	<10	<10	0.71	0.067	0.15	<10	<10	NA	NA	NA	0.46	<0.10	NA	NA	17	130	<0.050	580	130	10
	GW-24I		5-Oct-16	NA	NA	NA	NA	NA	NA	110	<10	<10	0.77	<0.050	0.14	<10	<10	NA	NA	NA	0.57	<0.10	NA	NA	25	110	<0.050	390	140	14
	GW-24I		8-Dec-16	NA	NA	NA	NA	NA	NA	100	<10	<10	0.66	<0.050	0.14	<10	<10	NA	NA	NA	0.53	<0.10	NA	NA	24	110	<0.050	58	140	13
	GW-24I		22-Sep-17	NA	NA	NA	NA	NA	NA	100	<10	<10	0.59	<0.050	0.12	<10	<10	NA	NA	NA	0.55	<0.10	NA	NA	19	78	<0.050	<10	140	14

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Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-24S	GW-24S	µg/L	7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	024S		15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	GW24SR		22-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.07	0.14	**0.2**	<10	<10	<10	<10	<10	0.06	**0.44**	<10	<10	<10	<10	**0.47**	<10	<10	<10
	24SR		10-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP1		28-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.06	0.07	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	0.08	<10	<10	<10
	GW24SR		28-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW24S		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	GW24SR		23-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	24SR		30-Nov-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	24SR		1-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	0.07	<10	<10	<10
	24SR		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.05	0.07	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	0.08	<10	<10	<10
	24S		7-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	SR		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	24S		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	24SR		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.08	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW24S		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	0.06	<10	<10	<10
	GW24SR		1-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.46**	**0.3**	**0.29**	<10	<10	NA	NA	NA	**0.27**	**0.36**	NA	NA	<10	<10	0.36	<10	<10	<10
	S		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.16**	0.12	0.13	<10	<10	NA	NA	NA	0.14	0.12	NA	NA	<10	<10	0.12	<10	<10	<10
	GW-24 S		1-Dec-11	NA	NA	NA	NA	NA	NA	250	**17**	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	15	130	<0.50	**7100**	**250**	1.6
	GW-24 S		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-24 S		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-24S		9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-2		9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-24S		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-24S		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-25I	GW-25I	µg/L	7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-025I		16-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW25I		28-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-GW-25I		7-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW25I		24-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP2		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW25I		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW25I		25-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 25I		7-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 25I		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP3		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 25I		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP 3		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	MS/MSD		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-25S	GW-25S	µg/L	2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	025S		16-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW25S		24-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	**0.16**	**0.39**	**0.62**	<10	<10	<10	<10	<10	0.07	**1.3**	<10	<10	<10	<10	**1.4**	<10	<10	<10
	25S		7-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	0.08	<10	<10	<10
	WST-G-GW25S		28-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW25S		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-DUP3		29-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW25S		29-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	25S		7-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	25S		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	25S		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW25S		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	25S		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	25S		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW25S		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.2**	0.17	0.19	<10	<10	NA	NA	NA	**0.21**	0.14	NA	NA	<10	<10	0.16	<10	<10	<10
	WST-G-GW25S		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	25S		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.07	0.06	<0.10	<10	<10	NA	NA	NA	0.05	<0.10	NA	NA	<10	<10	0.06	<10	<10	<10
	GW-25S		29-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	**0.13**	<0.050
	GW-25S		11-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-25S		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-25S		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-25S		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-25S		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-26I	GW-26I	µg/L	2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW26I		29-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW-26I		7-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26I		25-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26I		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26I		25-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW 26I		2-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 26I		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 26I		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I MS/MSD		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	I		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW 26I		11-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP 2		11-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW-26I		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.5**	**0.45**	**0.63**	<10	<10	NA	NA	NA	**0.37**	**0.31**	NA	NA	<10	<10	0.35	<10	<10	<10
	WST-G-GW26I		4-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	WST-G-GW26I		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**22**	<10	<10
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.28**	**0.3**	**0.26**	<10	<10	NA	NA	NA	**0.25**	0.28	NA	NA	<10	<10	0.26	<10	<10	<10
	GW-26 I		30-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	GW-26I		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-26I		14-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-26I		8-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-26I		5-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-26I		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-26S	GW-26S	µg/L	2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WST-G-GW26S		24-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	26S		7-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26S		24-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26S		16-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW26S		25-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	26S		2-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GWDUP 03		2-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	26S		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	GWDUP3		2-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	26S		7-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		6-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	S		7-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
GW-27I	GW-27I	µg/L	8-Feb-00							420	**9**	8		<5	<5	<5	<5				<5				<5	180	<5	**1100**	**180**	<5
	WS-W-GW27I		14-Feb-03		<10	<10	<10	<10	<10	410	**13**	11	<10	<0.05	<0.1	<0.1	<0.05	<10		**160**	<10	<0.1	**210**	<10	12	210	<0.05	**6100**	**150**	<10
	WS-W-GW-027I		19-Apr-04							230	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	100	<10	**5900**	**79**	<10
	WST-G-GW27I		23-Sep-04	68	<10	<10	<10	<10	<10	470	<10	10	**0.2**	<0.05	<0.1	<10	<10	<10	<10	**290**	0.18	<0.1	**310**	<10	11	270	<0.05	**11000**	**150**	<10
	WST-G-GW-27I		8-Dec-04	59	<10	<10	<10	<10	<10	400	<10	11	**0.14**	<0.05	<0.1	<10	<10	<10	<10	**220**	0.12	<0.1	**250**	<10	11	200	<0.05	**7900**	**130**	<10
	WST-G-GW27I		24-Mar-05	61	<10	<10	<10	<10	<10	200	<10	<10	**0.22**	<0.05	<0.1	<10	<10	<10	<10	**150**	0.05	<0.1	**120**	<10	<10	130	<0.05	**5000**	**88**	<10
	WST-G-GW27I		15-Jun-05	68	<10	<10	<10	<10	<10	310	<10	<10	0.09	<0.05	<0.1	<10	<10	<10	<10	**240**	0.06	<0.1	**160**	<10	<10	130	<0.05	**7700**	**88**	<10
	WST-G-GW27I		25-Aug-05	90	<10	<10	<10	<10	<10	350	<10	<10	**0.20**	<0.05	<0.1	<10	<10	<10	<10	**220**	0.14	<0.1	**230**	<10	<10	180	<0.05	**8800**	**130**	<10
	WST-G-GW 27I		7-Dec-05	85	<10	<10	<10	<10	<10	400	<10	<10	**0.24**	<0.050	<0.10	<10	<10	<10	<10	**230**	0.11	<0.10	**260**	<10	<10	150	<0.050	**8800**	**120**	<10
	WST-G-GW 27I		6-Mar-06	95	<10	<10	<10	<10	<10	440	<10	11	**0.39**	**0.29**	**0.33**	<10	<10	<10	<10	**150**	**0.21**	**0.97**	**300**	<10	10	160	**0.84**	**8100**	**120**	<10
	WST-G-GW-27I		8-Jun-06	130	<10	<10	<10	<10	<10	380	**11**	11	**0.21**	<0.050	<0.10	<10	<10	<10	<10	**190**	0.11	<0.10	**240**	<10	10	200	<0.050	**11000**	**140**	<10
	WST-G-GW 27I		7-Dec-06	110	<10	<10	<10	<10	<10	450	<10	12	**0.2**	<0.050	<0.10	<10	<10	<10	<10	**190**	0.15	<0.10	**270**	<10	10	210	<0.050	**8600**	**170**	<10
	WST-G-GW27I		6-Jun-07	92	<10	<10	<10	<10	<10	620	<10	<10	**0.2**	<0.050	<0.10	<10	<10	<10	<10	**350**	0.11	<0.10	**360**	<10	<10	290	0.07	**10000**	**120**	<10
	WST-G-GW 27I		12-Dec-07	NA	NA	NA	NA	NA	NA	340	<10	11	**0.25**	0.12	**0.23**	<10	<10	NA	NA	NA	**0.24**	<0.10	NA	NA	<10	170	0.09	**7500**	**160**	<10
	WST-G-GW-27I		10-Jun-08	NA	NA	NA	NA	NA	NA	370	<10	11	**0.33**	0.11	0.1	<10	<10	NA	NA	NA	0.13	0.12	NA	NA	<10	160	0.07	**8100**	**120**	<10
	WST-G-GW27I		5-Feb-09	NA	NA	NA	NA	NA	NA	530	**11**	14	**0.55**	**0.41**	**0.39**	<10	<10	NA	NA	NA	**0.49**	**0.31**	NA	NA	<10	260	0.34	**10000**	**180**	<10
	WST-G-GW27I		2-Jul-09	NA	NA	NA	NA	NA	NA	360	**10**	12	**0.29**	<0.050	<0.10	<10	<10	NA	NA	NA	0.14	<0.10	NA	NA	13	180	<0.050	**6500**	**150**	<10
	I		10-Dec-09	NA	NA	NA	NA	NA	NA	24	<10	12	**0.2**	0.07	<0.10	<10	<10	NA	NA	NA	0.16	<0.10	NA	NA	12	200	0.06	**7900**	**180**	<10
	GW-27 I		30-Nov-11	NA	NA	NA	NA	NA	NA	280	**6.8**	7.0	0.084	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	6.3	140	<0.050	**8000**	**110**	3.0
	GW-27 I		12-Dec-12	NA	NA	NA	NA	NA	NA	360	<10	11.0	**0.13**	<0.050	<0.10	<10	<10	NA	NA	NA	0.1	<0.10	NA	NA	<10	180	<0.050	**7700**	**130**	<10
	GW-27 I		16-Jan-14	NA	NA	NA	NA	NA	NA	370	<10	12.0	**0.22**	<0.050	<0.10	<10	<10	NA	NA	NA	0.13	<0.10	NA	NA	12	210	<0.050	**8700**	**170**	<10
	GW-27I		10-Dec-15	NA	NA	NA	NA	NA	NA	510	<10	11	**0.21**	<0.050	<0.10	<10	<10	NA	NA	NA	0.16	<0.10	NA	NA	<10	240	<0.050	**8700**	**180**	<10
	GW-27I		29-Apr-16	NA	NA	NA	NA	NA	NA	190	<10	<10	**0.77**	0.11	**0.41**	<10	<10	NA	NA	NA	**0.85**	<0.1	NA	NA	12	98	0.064	**3100**	**98**	<10
	GW-27I		20-May-16	NA	NA	NA	NA	NA	NA	200	<10	<10	**0.63**	0.054	0.18	<10	<10	NA	NA	NA	**0.48**	<0.10	NA	NA	18	120	<0.050	**110**	**98**	10
	GW-27I		5-Oct-16	NA	NA	NA	NA	NA	NA	160	<10	<10	**0.49**	<0.050	0.14	<10	<10	NA	NA	NA	**0.41**	<0.10	NA	NA	15	110	<0.050	**530**	**81**	<10
	GW-27I		8-Dec-16	NA	NA	NA	NA	NA	NA	230	<10	<10	**0.51**	<0.050	0.1	<10	<10	NA	NA	NA	**0.43**	<0.10	NA	NA	19	140	<0.050	**950**	**130**	<10
	GW-27I		22-Sep-17	NA	NA	NA	NA	NA	NA	350	<10	10	**0.35**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.36**	<0.10	NA	NA	16	200	<0.050	**2700**	**170**	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					**700**					**2000**			**0.1**	**0.2**	**0.2**						**0.2**	**0.3**			**1000**	**1000**	**0.4**	**20**	**MDL**	**1000**
ISWQS (Surface Water)						**9.1**				**2700**		**110,000**	**0.0311**	**0.0311**	**0.0311**	**5.92**					**0.0311**	**0.0311**			**370**	**14000**	**0.0311**			**11,000**
GW-27S	GW-27S	µg/L	7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	027S		19-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-GW27S		22-Sep-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	27S		9-Dec-04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW27S		25-Mar-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW27S		15-Jun-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	WST-G-GW27S		23-Aug-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	<10	<10	<10	<0.05	<0.1	<10	<10	<10	<10	<0.05	<10	<10	<10
	27S		7-Dec-05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	27S		6-Mar-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	27S		8-Jun-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP 01		7-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	27S		7-Dec-06	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-DUP01		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<0.050	<0.050	0.12	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	WST-G-GW27S		6-Jun-07	<10	<10	<10	<10	<10	<10	<10	<10	<10	0.05	<0.050	0.11	<10	<10	<10	<10	<10	<0.050	<0.10	<10	<10	<10	<10	<0.050	<10	<10	<10
	27S		12-Dec-07	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	27S		10-Jun-08	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.42**	**0.36**	**0.36**	<10	<10	NA	NA	NA	**0.26**	0.26	NA	NA	<10	<10	0.32	<10	<10	<10
	WST-G-GW27S		5-Feb-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.08	<0.050	<0.10	<10	<10	NA	NA	NA	0.08	<0.10	NA	NA	<10	<10	<0.050	12	<10	<10
	WST-G-GW27S		2-Jul-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.25**	0.13	0.15	<10	<10	NA	NA	NA	0.13	0.16	NA	NA	<10	<10	0.17	<10	<10	<10
	S		10-Dec-09	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.07	0.06	<0.10	<10	<10	NA	NA	NA	0.06	<0.10	NA	NA	<10	<10	0.07	<10	<10	<10
	GW-27 S		30-Nov-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	0.17	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	1.1	<0.050	<0.050
	GW-27 S		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-27 S		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-27S		10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-27S		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-27S		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-28S	WS-W-GW28S	µg/L	13-Feb-03		<10	<10	<10	<10	<10	110	<10	<10	<10	<0.05	<0.1	<0.1	<10	**26**		**36**	<10	<0.1	**70**	<10	23	84	<0.05	**450**	**110**	12
GW-28D	GW-28D	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	1.1	<0.050	<0.050
	GW-28D		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28D		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.051	<10	<10	<10
	GW-28D		9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28D		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28D		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-28I	GW-28I	µg/L	9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<50	42	<0.050	**550**	**100**	<10
	GW-28I		28-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	<10	<10	<10
	GW-28I		19-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28I		4-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.055	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-28I		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-29I	GW-29I	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	52	<10	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	12	66	<0.50	**1200**	**140**	3.6
	GW-29I		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-29I		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**45**	<10	<10
	GW-29I		10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**30**	<10	<10
	GW-29I		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.34**	0.14	**0.38**	<10	<10	NA	NA	NA	**0.33**	**0.33**	NA	NA	<10	<10	0.085	**<10**	<10	<10
	GW-29I		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	**11**	<10
GW-29S	GW-29S	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	59	<10	0.69	<0.050	<0.050	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	2.9	30	<0.50	**3000**	**57**	0.82
	GW-29S		13-Dec-12	NA	NA	NA	NA	NA	NA	17	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**220**	<10	<10
	GW-29S		16-Jan-14	NA	NA	NA	NA	NA	NA	240	<10	<10	**0.13**	<0.050	<0.10	<10	<10	NA	NA	NA	0.1	<0.10	NA	NA	15	130	<0.050	**3700**	**150**	<10
	GW-29S		10-Dec-15	NA	NA	NA	NA	NA	NA	18	<10	<10	**0.18**	<0.050	<0.10	<10	<10	NA	NA	NA	0.18	<0.10	NA	NA	<10	12	<0.050	**110**	**23**	<10
	GW-29S		28-Apr-16	NA	NA	NA	NA	NA	NA	19	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	11	<0.05	**31**	<10	<10
	GW-29S		18-May-16	NA	NA	NA	NA	NA	NA	19	<10	<10	0.05	<0.050	<0.10	<10	<10	NA	NA	NA	0.053	<0.10	NA	NA	<10	<10	<0.050	**300**	<10	<10
	GW-29S		4-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.96**	**0.27**	**0.52**	<10	<10	NA	NA	NA	**0.99**	<0.10	NA	NA	<10	<10	0.11	<10	<10	<10
	GW-29S		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	**1.4**	**0.38**	**0.77**	<10	<10	NA	NA	NA	**1.5**	<0.10	NA	NA	<10	<10	0.11	**31**	<1000	<10
	GW-29S		22-Sep-17	NA	NA	NA	NA	NA	NA	14	<10	<10	**0.3**	0.054	0.12	<10	<10	NA	NA	NA	**0.34**	<0.10	NA	NA	<10	<10	<0.050	**180**	**12**	<10
GW-30I	GW-30I	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	0.21	2.1	<0.050	**300**	**8.7**	<0.050
	GW-30I		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30I		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	0.06	<0.10	<10	<10	NA	NA	NA	0.067	0.11	NA	NA	<10	<10	0.14	<10	<10	<10
	GW-30I		10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30I		18-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-1		18-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-30S	GW-30S	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	22	<1.0	0.28	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	1.5	6.8	<0.050	**170**	**14**	0.56
	GW-30S		13-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30S		16-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30S		10-Dec-15	NA	NA	NA	NA	NA	NA	12	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-3		10-Dec-15	NA	NA	NA	NA	NA	NA	<100	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30S		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-30S		18-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-31I	GW-31I	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	40	<10	<0.50	<0.50	<0.50	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<1.0	NA	NA	2.2	16	<0.50	**2700**	**52**	<0.50
	GW-31I		14-Dec-12	NA	NA	NA	NA	NA	NA	81	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	33	<0.050	**4300**	**96**	<10
	GW-31I		15-Jan-14	NA	NA	NA	NA	NA	NA	81	**87**	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	62	<0.050	**3600**	**100**	<10
	GW-31I		9-Dec-15	NA	NA	NA	NA	NA	NA	77	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	59	<0.050	**3800**	**90**	<10
	GW-31I		27-Apr-16	NA	NA	NA	NA	NA	NA	30	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	25	<0.05	**480**	**30**	<10
	GW-31I		19-May-16	NA	NA	NA	NA	NA	NA	39	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	41	<0.050	**1300**	**37**	<10
	GW-31I		4-Oct-16	NA	NA	NA	NA	NA	NA	31	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	33	<0.050	**810**	**29**	<10
	GW-31I		8-Dec-16	NA	NA	NA	NA	NA	NA	57	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	52	<0.050	**1600**	**57**	<10
	GW-31I		22-Sep-17	NA	NA	NA	NA	NA	NA	43	<10	48	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	42	<0.050	**1100**	**47**	<10

Table 4
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-31S	GW-31S	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	1.4	**0.12**	<0.050
	GW-31S		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.064	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-31S		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-31S		9-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-31S		7-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-31S		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-32I	GW-32I	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	0.12	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	0.14	<0.10	<0.050	<0.50	**0.056**	0.23
	GW-32I		13-Dec-12	NA	NA	NA	NA	NA	NA	220	**12**	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	14	100	<0.050	**6200**	**220**	<10
	GW-32I		15-Jan-14	NA	NA	NA	NA	NA	NA	250	**12**	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	13	120	<0.050	**6200**	**230**	<10
	GW-32I		9-Dec-15	NA	NA	NA	NA	NA	NA	190	<10	170	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	100	<0.050	**4600**	**160**	<10
	GW-32I		28-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	19	<10	<10
	GW-32I		19-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-32I		4-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-32I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-32I		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<1000	<10	<10
GW-33I	GW-33I	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	43	<10	3.6	<0.50	<0.050	<1.0	<1.0	<0.50	NA	NA	NA	<0.50	<0.10	NA	NA	13	45	<0.50	**2500**	**140**	5.8
	GW-33I		12-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.32**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.23**	<0.10	NA	NA	15	34	<0.050	**3600**	**170**	<10
	GW-33I		15-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.11**	<0.050	<0.10	<10	<10	NA	NA	NA	0.081	<0.11	NA	NA	<10	32	<0.050	**1500**	**62**	<10
	GW-33I		10-Dec-15	NA	NA	NA	NA	NA	NA	**3400**	<100	920	**690**	**150**	**280**	<100	**140**	NA	NA	NA	**510**	**11**	NA	NA	**2900**	**2500**	**33**	**9700**	**6400**	**2400**
	GW-33I		29-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	**35**	<10	<10
	GW-33I		20-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.053	<0.10	NA	NA	<10	<10	<0.050	**87**	**13**	<10
	GW-33I		5-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-33I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**55**	<10	<10
	GW-33I		22-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-41S	GW-41S	µg/L	10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**23**	<10	<10
	GW-41S		28-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	12	<0.05	**20**	**36**	<10
	GW-41S		18-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	23	<0.050	**33**	**46**	<10
	GW-41S		4-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	12	<0.050	<1000	**24**	<10
	GW-41S		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	16	<0.050	16	**31**	<10
	GW-41S		22-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	12	<0.050	<10	**30**	<10

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Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
GW-42I	GW-42I	µg/L	10-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**47**	<10	<10
	GW-42I		27-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	<10	<10	<10
	GW-42I		19-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-42I		3-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-42I		6-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-42I		19-Sep-17	NA	NA	NA	NA	NA	NA	62	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	28	<0.050	**650**	**30**	<10
GW-43I	GW-43I	µg/L	10-Dec-15	NA	NA	NA	NA	NA	NA	110	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	97	<0.050	**2500**	**160**	<10
	GW-43I		28-Apr-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.05	<0.05	<0.1	<10	<10	NA	NA	NA	<0.05	<0.1	NA	NA	<10	<10	<0.05	<10	<10	<10
	GW-43I		19-May-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-43I		4-Oct-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	10	<10	<10
	GW-43I		8-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-43I		20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**120**	**20**	<10
GW-44I	GW-44I	µg/L	9-Dec-15	NA	NA	NA	NA	NA	NA	460	**12**	16	**0.56**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.30**	<0.10	NA	NA	20	220	<0.050	**2400**	**170**	14
	GW-44I		28-Apr-16	NA	NA	NA	NA	NA	NA	89	<10	<10	**1.2**	0.11	**0.55**	<10	<10	NA	NA	NA	**1.7**	<0.1	NA	NA	13	38	0.05	15	**19**	<10
	GW-44I		19-May-16	NA	NA	NA	NA	NA	NA	26	<10	<10	**0.58**	0.076	0.18	<10	<10	NA	NA	NA	**0.51**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-44I		4-Oct-16	NA	NA	NA	NA	NA	NA	94	<10	<10	**0.28**	<0.050	0.12	<10	<10	NA	NA	NA	**0.42**	<0.10	NA	NA	<10	50	<0.050	**310**	**13**	<10
	GW-44I		8-Dec-16	NA	NA	NA	NA	NA	NA	240	<10	<10	**0.39**	0.1	0.2	<10	<10	NA	NA	NA	**0.46**	<0.10	NA	NA	<10	120	0.068	**2000**	**59**	<10
	GW-44I		22-Sep-17	NA	NA	NA	NA	NA	NA	420	<10	<10	**0.23**	<0.050	0.11	<10	<10	NA	NA	NA	**0.29**	<0.10	NA	NA	<10	250	<0.050	**2600**	**200**	<10
GW-45S	GW-45S	µg/L	19-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-46S	GW-46S	µg/L	20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-47S	GW-47S	µg/L	20-Sep-17	NA	NA	NA	NA	NA	NA	710	<10	15	**0.94**	<0.050	0.11	<10	<10	NA	NA	NA	**1**	<0.10	NA	NA	33	370	<0.050	**1800**	**310**	23
PZ-1	PZ-1	µg/L	21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
PZ-2	PZ-2	µg/L	21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.15**	<0.050	<0.10	<10	<10	NA	NA	NA	0.12	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	DUP-4		21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	<0.050	<0.10	<10	<10	NA	NA	NA	0.11	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
PZ-3	PZ-3	µg/L	21-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
PZ-4	PZ-4	µg/L	20-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

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Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	SAMPLE ID	UNITS	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Bis(2-ethylhexyl)phthalate	Caprolactam	Carbazole	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Dimethyl phthalate	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene
Type 1 RRS (Groundwater)					700					2000			0.1	0.2	0.2						0.2	0.3			1000	1000	0.4	20	MDL	1000
ISWQS (Surface Water)						9.1				2700		110,000	0.0311	0.0311	0.0311	5.92					0.0311	0.0311			370	14000	0.0311			11,000
SW-1	SW-1	µg/L	5-Sep-06										**0.050**	**0.17**	**0.21**						**0.060**									
	SW-1		2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<0.10	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	SW-1		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-1		17-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-1		3-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-1		9-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-1		6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.055**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.074**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-2	SW-2	µg/L	5-Sep-06										0.070	0.060	**0.17**						**0.060**						**0.060**			
	SW-2		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.13**	**0.15**	**0.32**	<10	<10	NA	NA	NA	**0.24**	<0.10	NA	NA	<10	<10	**0.14**	<10	<10	<10
	SW-2		17-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	**0.056**	<10	<10	<10
	SW-2		3-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-2		9-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-2		6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.052**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-3	SW-3	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	<0.10	<0.050	<0.50	<0.050	<0.050
	SW-3		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-3		17-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.064**	<0.10	NA	NA	<10	<10	**0.082**	<10	<10	<10
	SW-3		3-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-3		9-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-3		6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-4	SW-4	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	0.18	<0.050	2.3	0.096	<0.050
	SW-4		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-4		17-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-4		3-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.12**	**0.098**	**0.16**	<10	<10	NA	NA	NA	**0.22**	**0.20**	NA	NA	<10	<10	**0.23**	<10	<10	<10
	SW-4		9-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-4		6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-5	SW-5	µg/L	2-Dec-11	NA	NA	NA	NA	NA	NA	<0.50	<1.0	<0.050	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	<0.10	0.13	<0.050	0.53	0.066	<0.050
	SW-5		14-Dec-12	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.056**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-5		17-Jan-14	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-5		3-Dec-15	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	SW-5		9-Dec-16	NA	NA	NA	NA	NA	NA	<10	<10	<10	**1**	**0.35**	**0.95**	<10	<10	NA	NA	NA	**0.90**	**0.74**	NA	NA	<10	<10	**0.15**	<10	<10	<10
	SW-5		6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-6	SW-6	µg/L	6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-7	SW-7	µg/L	6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-8	SW-8	µg/L	8-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-9	SW-9	µg/L	6-Sep-17	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Notes:
Bold cell indicates detections above the Groundwater Type 1 Risk Reduction Standards (RRSs).
Bold cell indicates detections above the Georgia In-stream Water Quality Standards (ISWQS) for Surface Water.
NA - Not Analyzed: Groundwater samples were analyzed only for the 18 priority PAHs using Method 8270D SIM.
MDL - Method detection limit. The Type 1 RRS for Phenanthrene is the MDL.

SVOCs - Semi-volatile organic compounds
PAHs - Polycyclic aromatic hydrocarbons
COCs - Constituents of Concern

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-01I	µg/L	14-Dec-94	2		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	2								
		30-Dec-97	2		<1	<1					<1
		14-Apr-98	1		<1	<1					<1
		19-Apr-04			<5	<5		<10	<5		<5
		28-Sep-04			<5	<5		<10	<5	<5	<5
		15-Dec-04	**6.7**		<5	<5		<10	<5	<5	<5
		31-Mar-05	**7.7**		<5	<5		<10	<5	<5	<5
		14-Jun-05	**8**		<5	<5		<10	<5	<5	<5
		12-Jun-06	**12**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	**12**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	**11**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		11-Jun-08	**15**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		03-Feb-09	**5.9**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		30-Jun-09	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		10-Dec-09	**12**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		02-Dec-11	**13**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	16
		12-Dec-12	**13**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		26-Jan-14	**14**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Dec-15	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-16	8.4	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		21-Sep-17	**10**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		21-Sep-17 (DUP-5)	**11**	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-01S	µg/L	7-Dec-94	<1		1	4					<1
		23-Mar-95			**11**	15					2
		25-Mar-95	<1								
		30-Dec-97	<1		**8**	17					3
		14-Apr-98	<1		4	13					1
		13-Feb-03	<2		<5	<5		<5	<5		<5
		12-Apr-04			<1	1.4		1.1	<1		<1
		28-Sep-04			<5	<5		<10	<5	<5	<5
		15-Dec-04	<5		<5	<5		<10	<5	<5	<5
		31-Mar-05	<5		<5	<5		<10	<5	<5	<5
		14-Jun-05	<5		<5	<5		<10	<5	<5	<5
		12-Jun-06	<5.0	<50	<5.0	<5.0	17	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-03D	µg/L	14-Dec-94	2		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		16-Apr-98	<1		<1	<1					<1

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Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-03I	µg/L	19-Feb-03	<2		<5	<5		<5	<5		<5
		15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		19-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		2-Jul-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		2-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		02-Dec-11 (DUP-3)	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		DUP-2	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		15-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		8-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		18-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-03S	µg/L	5-Oct-94	<10		**20**	20					20
		23-Mar-95			**58**	34					73
		25-Mar-95	<1								
		7-Jan-98	<1		2	<1					2
		16-Apr-98	<1		1	4					2
		15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		19-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-05I	µg/L	7-Nov-94	<1		<1	<1					<1
		25-Mar-95	<1								
		15-Apr-98	<1		<1	<1					<1
		13-Apr-04			<1	<1		<1	<1		<1
		28-Sep-04			<5	<5		<10	<5	<5	<5
		14-Dec-04	<5		<5	<5		<10	<5	<5	<5
		14-Jun-05	<5		<5	<5		<10	<5	<5	<5
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		11-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-05S	µg/L	5-Oct-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		31-Dec-97	<1		<1	<1					<1
		28-Jun-00			<1	<1					<1
		13-Apr-04			<1	<1		<1	<1		<1
		28-Sep-04			<5	<5		<10	<5	<5	<5
		14-Dec-04	<5		<5	<5		<10	<5	<5	<5
		14-Jun-05	<5		<5	<5		<10	<5	<5	<5
		8-Jun-06	<5.0	51	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-06D	µg/L	15-Apr-98	<1		<1	<1					<1
		23-Mar-05	<5		<5	<5		<10	<5	<5	<5
		15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		22-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		1-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		1-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		11-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		5-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 5
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Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-06I	µg/L	7-Nov-94	<1		**26**	11					8
		23-Mar-95			**100**	11					40
		25-Mar-95	<1								
		15-Apr-98	<1		**110**	47					39
		13-Feb-03	<2		**150**	61		190	67		31
		24-Mar-05	<5		**19**	<5		18	9.8	<5	11
		15-Jun-05	<5		**14**	<5		14	5.3	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		1-Dec-05	<5.0	<50	**15**	<5.0	<5.0	<10	11	<5.0	9.2
		1-Mar-06	<5.0	<50	**17**	<5.0	<5.0	<10	8.9	<5.0	8.1
		7-Jun-06	<5.0	<50	**18**	<5.0	<5.0	<10	9	<5.0	6.1
		11-Dec-06	<5.0	<50	**15**	<5.0	<5.0	<10	8	<5.0	<5.0
		5-Jun-07	<5.0	<50	**39**	24	<5.0	63	31	<5.0	30
		12-Dec-07	NA	NA	**15**	7.8	NA	7.6	11	NA	4.5
		10-Jun-08	NA	NA	**29**	9	NA	8.1	13	NA	8.6
		4-Feb-09	NA	NA	**17**	5.5	NA	2.4	9.2	NA	2.1
		1-Jul-09	NA	NA	**67**	43	NA	110	45	NA	56
		9-Dec-09	NA	NA	**39**	19	NA	34	24	NA	23
		30-Nov-11	NA	NA	**39**	20	NA	39	24	NA	20
		30-Nov-11 (DUP-2)	NA	NA	**38**	20	NA	38	23	NA	19
		14-Dec-12	NA	NA	1.1	<1.0	NA	2.5	1.1	NA	<1.0
		DUP-3	NA	NA	1.2	<1.0	NA	3.3	1.4	NA	<1.0
		16-Jan-14	NA	NA	2.5	1.7	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-06S	µg/L	23-Mar-95			**89**	38					140
		25-Mar-95	<1								
		16-Apr-98	<1		**10**	5					15
		23-Mar-05	<5		**130**	26		73	23	<5	62
		15-Jun-05	<5		**160**	27		76	26	<5	82
		22-Aug-05	<5	<50	**110**	18	<5	48	19	<5	62
		1-Dec-05	<5.0	<50	**190**	39	<5.0	120	46	<5.0	120
		1-Mar-06	<5.0	<50	**160**	28	<5.0	69	27	<5.0	74
		7-Jun-06	<5.0	<50	**190**	38	<5.0	96	39	<5.0	100
		11-Dec-06	<5.0	<50	**91**	19	<5.0	40	16	<5.0	62
		7-Jun-07	<5.0	<50	**38**	8.8	<5.0	21	8.7	<5.0	16
		12-Dec-07	NA	NA	**62**	16	NA	33	15	NA	40
		10-Jun-08	NA	NA	**34**	8.4	NA	17	9	NA	3.6
		4-Feb-09	NA	NA	**9.6**	2.4	NA	5	2.6	NA	2.3
		1-Jul-09	NA	NA	**36**	8.4	NA	15	7.9	NA	3.8
		9-Dec-09	NA	NA	**35**	8.9	NA	15	8	NA	4.4
		30-Nov-11	NA	NA	**7.3**	2.4	NA	3.0	1.6	NA	<1.0
		14-Dec-12	NA	NA	4.0	2.2	NA	6.0	2.8	NA	2.2
		16-Jan-14	NA	NA	1.5	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	3.9	<1.0	NA	<1.0	<1.0	NA	<1.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17	NA	NA	3.6	2.6	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17 (DUP-3)	NA	NA	3.6	2.9	NA	<1.0	<1.0	NA	<1.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-07I	µg/L	14-Dec-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		22-Apr-98	<1		<1	<1					<1
		20-Jun-05	<5		<5	<5		<10	<5	<5	<5
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-08D	µg/L	14-Dec-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		14-Jun-05	<5		<5	<5		<10	<5	<5	<5
		9-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-08S	µg/L	7-Dec-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		28-Jun-00			<1	<1					<1
		14-Jun-05	<5		<5	<5		<10	<5	<5	<5
		9-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-09I	µg/L	7-Nov-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
GW-09S	µg/L	7-Nov-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
GW-10I	µg/L	3-Nov-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		30-Dec-97	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-10S	µg/L	3-Nov-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		22-Apr-98	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-11D	µg/L	7-Nov-94	<1		<1	<1					<1
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-11I	µg/L	7-Nov-94	<1		3	<1					1
		23-Mar-95			**15**	<1					<1
		25-Mar-95	<1								
		31-Dec-97	<1		**32**	<1					1
		22-Apr-98	<1		**21**	<1					<1
		14-Feb-03	<2		**23**	<5		<5	12		<5
		29-Mar-05	<5		**22**	<5		<10	6.4	<5	<5
		21-Jun-05	<5	<20	**21**	<5	3.5	<10	9.4	<5	<5
		29-Aug-05	<5	<50	**22**	<5	<5	<10	8.6	<5	<5
		6-Dec-05	<5.0	<50	**24**	<5.0	<5.0	<10	12	<5.0	<5.0
		7-Mar-06	<5.0	<50	**24**	<5.0	<5.0	<10	11	<5.0	<5.0
		15-Jun-06	<5.0	<50	**25**	<5.0	<5.0	<10	8.9	<5.0	<5.0
		14-Dec-06	<5.0	<50	**19**	<5.0	<5.0	<10	7.9	<5.0	<5.0
		13-Jun-07	<5.0	<50	**25**	<5.0	<5.0	<10	11	<5.0	<5.0
		13-Dec-07	NA	NA	**21**	<1.0	NA	2.9	11	NA	1
		12-Jun-08	NA	NA	**22**	<1.0	NA	2.2	8	NA	<1.0
		3-Feb-09	NA	NA	**22**	2.6	NA	3.6	10	NA	<1.0
		30-Jun-09	NA	NA	**21**	<1.0	NA	2.9	8.2	NA	1
		9-Dec-09	NA	NA	**21**	<1.0	NA	3.1	9	NA	<1.0
		29-Nov-11	NA	NA	**19**	<1.0	NA	1.5	5.1	NA	<1.0
		11-Dec-12	NA	NA	**15**	<1.0	NA	1.1	4.6	NA	<1.0
		14-Jan-14	NA	NA	**13**	<1.0	NA	1.5	5.1	NA	<1.0
		8-Dec-15	NA	NA	**8.9**	<1.0	NA	<1.0	2.6	NA	<1.0
		08-Dec-15 (DUP-1)	NA	NA	**8.8**	<1.0	NA	<1.0	2.8	NA	<1.0
		7-Dec-16	NA	NA	**9**	<1.0	NA	<1.0	2.1	NA	<1.0
		20-Sep-17	NA	NA	**5.8**	<1.0	NA	<1.0	1.2	NA	<1.0
GW-11S	µg/L	7-Nov-94	<1		<1	<1					<1
		23-Mar-95			<1	<1					<1
		25-Mar-95	<1								
		29-Mar-05	<5		<5	<5		<10	<5	<5	<5
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		29-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		6-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		15-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-12D	µg/L	9-Feb-95	<1		<1	<1					<1
		6-Jan-97	<1		<1	<1					<1
		30-Mar-05	<5		<5	<5		<10	<5	<5	<5
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-12I	µg/L	3-Nov-94	<1		<1	6					3
		6-Jan-97	<1		<1	3					<1
		21-Apr-98	<1		<1	4					1
		14-Feb-03	<5		<5	<5		7.1	9.6		<5
		31-Mar-05	<5		<5	<5		<10	<5	<5	<5
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Dec-07	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Jun-08	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		4-Feb-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		1-Jul-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		8-Dec-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		1-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jan-14	NA	NA	<1.0	<1.1	NA	<1.0	<1.1	NA	<1.0
		7-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		7-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		19-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-12S	µg/L	3-Nov-94	<1		**9**	9					7
		6-Jan-97	<1		1	4					3
		22-Apr-98	<1		2	6					12
		30-Mar-05	<5		**29**	22		120	54	26	41
		22-Jun-05	<5		**24**	18		120	51	22	35
		6-Dec-05	<5.0	<50	**24**	21	<5.0	130	61	25	32
		13-Jun-06	<5.0	<50	**22**	16	<5.0	100	46	19	26
		13-Dec-06	<5.0	<50	**22**	16	<5.0	73	50	17	25
		13-Jun-07	<5.0	<50	**28**	21	<5.0	82	57	22	31
		13-Dec-07	NA	NA	**23**	18	NA	81	50	NA	25
		12-Jun-08	NA	NA	**23**	19	NA	100	55	NA	27
		4-Feb-09	NA	NA	**21**	18	NA	70	41	NA	23
		1-Jul-09	NA	NA	**20**	16	NA	68	43	NA	24
		8-Dec-09	NA	NA	**22**	22	NA	56	49	NA	27
		1-Dec-11	NA	NA	**23**	16	NA	62	50	NA	29
		11-Dec-12	NA	NA	**20**	18	NA	48	48	NA	23
		14-Jan-14	NA	NA	**19**	20	NA	57	46	NA	25
		7-Dec-15	NA	NA	**15**	14	NA	39	37	NA	18
		7-Dec-16	NA	NA	**23**	29	NA	61	56	NA	31
		19-Sep-17	NA	NA	**17**	20	NA	48	40	NA	25
GW-13I	µg/L	9-Feb-95	<1		<1	<1					<1
		7-Jan-98	<1		<1	<1					<1
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-13S	µg/L	9-Feb-95	<1		<1	<1					<1
		7-Jan-98	<1		<1	<1					<1
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-14I	µg/L	9-Feb-95	<1		<1	<1					<1
		21-Apr-98	<1		<1	<1					<1
		24-Jun-05	<5		<5	<5		<10	<5	<5	<5
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-14S	µg/L	9-Feb-95	<1		<1	<1					<1
		21-Apr-98	<1		<1	<1					<1
		23-Jun-05	<5		<5	<5		<10	<5	<5	<5
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-15I	µg/L	9-Feb-95	<1		<1	<1					<1
		21-Apr-98	<1		<1	<1					<1
		31-Mar-05	<5		<5	<5		<10	<5	<5	<5
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-15S	µg/L	9-Feb-95	<1		<1	<1					<1
		21-Apr-98	<1		<1	<1					<1
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		13-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-16I	µg/L	9-Feb-95	<1		<1	<1					<1
		16-Apr-98	<1		<1	<1					<1
		16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-16S	µg/L	9-Feb-95	<1		<1	<1					<1
		31-Dec-97	<1		<1	<1					<1
		16-Apr-98	<1		<1	<1					<1
		20-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-17I	µg/L	22-Apr-98	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-17S	µg/L	22-Apr-98	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-18I	µg/L	22-Apr-98	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		15-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-18S	µg/L	22-Apr-98	<1		<1	<1					<1
		21-Jun-05	<5	<20	<5	<5	<5	<10	<5	<5	<5
		15-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		13-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-19I	µg/L	22-Apr-98	1		<1	<1					<1
		20-Jun-05	<5		<5	<5		<10	<5	<5	<5
		12-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-19S	µg/L	22-Apr-98	<1		<1	<1					<1
		20-Jun-05	<5		<5	<5		<10	<5	<5	<5
		12-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-20I	µg/L	14-Apr-98	<1		<1	<1					<1
		24-Mar-05	<5		<5	<5		<10	<5	<5	<5
		16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		1-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		1-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		11-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Jun-08	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		5-Feb-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		1-Jul-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		30-Nov-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		9-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		27-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		18-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		19-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-20S	µg/L	14-Apr-98	<1		<1	<1					<1
		24-Mar-05	<5		<5	<5		12	8.9	<5	9.4
		16-Jun-05	<5		<5	<5		12	5.7	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	12	6.6	<5	6
		1-Dec-05	<5.0	<50	**5.4**	12	<5.0	32	14	<5.0	16
		2-Mar-06	<5.0	<50	<5.0	10	<5.0	27	10	<5.0	<5.0
		7-Jun-06	<5.0	<50	<5.0	5.1	<5.0	10	<5.0	<5.0	<5.0
		6-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	**5.8**	11	<5.0	21	11	<5.0	<5.0
		12-Dec-07	NA	NA	1.6	<1.0	NA	<1.0	1.2	NA	<1.0
		11-Jun-08	NA	NA	3.8	6.6	NA	3.7	4.2	NA	<1.0
		5-Feb-09	NA	NA	4.8	7.6	NA	3.9	7.7	NA	1.1
		1-Jul-09	NA	NA	3.7	5.7	NA	2.5	3.1	NA	<1.0
		10-Dec-09	NA	NA	2.7	4.6	NA	2.6	3.3	NA	<1.0
		30-Nov-11	NA	NA	2.3	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Dec-12	NA	NA	2.4	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jan-14	NA	NA	3.2	2.1	NA	2.5	2.9	NA	<1.0
		9-Dec-15	NA	NA	1.1	<1.0	NA	<1.0	<1.0	NA	<1.0
		27-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		18-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	1.5	1.3	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-21I	µg/L	15-Apr-98	<1		<1	<1					<1
		17-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-21S	µg/L	14-Apr-98	<1		<1	<1					<1
		17-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-22D	µg/L	15-Apr-98	<1		<1	<1					<1
		16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-22I	µg/L	15-Apr-98	<1		<1	<1					<1
GW-22S	µg/L	20-Jun-05	<5		<5	<5		<10	<5	<5	<5
		6-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-23I	µg/L	21-Apr-98	<1		<1	<1					<1
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-09			<1.0	<1.0		<1.0	<1.0		<1.0
		1-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		7-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		7-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		19-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-23S	µg/L	21-Apr-98	<1		<1	<1					<1
		22-Jun-05	<5		<5	<5		<10	<5	<5	<5
		14-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		14-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-24I	µg/L	19-Feb-03	<2		**7**	<5		<5	<5		<5
		28-Mar-05	<5		<5	<5		<10	<5	<5	<5
		15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		30-Nov-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		1-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	NA	NA	**5.9**	<1.0	NA	4.8	2.8	NA	<1.0
		10-Jun-08	NA	NA	<5	<10	NA	22	15	NA	<10
		5-Feb-09	NA	NA	2.7	<1.0	NA	2.5	1.4	NA	<1.0
		1-Jul-09	NA	NA	2.7	1.2	NA	4.6	2.7	NA	<1.0
		10-Dec-09	NA	NA	3.3	1.1	NA	4.2	2.2	NA	<1.0
		1-Dec-11	NA	NA	4.1	<1.0	NA	2.0	1.1	NA	1.5
		13-Dec-12	NA	NA	3.9	1.1	NA	3.5	2.2	NA	<1.0
		16-Jan-14	NA	NA	4	<1.0	NA	3.0	1.6	NA	<1.0
		9-Dec-15	NA	NA	3.2	<1.0	NA	<1.0	<1.0	NA	<1.0
		28-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		5-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	1.2	<1.0	NA	<1.0	<1.0	NA	<1.0
		22-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-24S	µg/L	28-Mar-05	<5		<5	<5		<10	<5	<5	<5
		15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		30-Nov-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		1-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		2-Jan-00	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Jun-08	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		5-Feb-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		1-Jul-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		1-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		15-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		9-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		09-Dec-15 (DUP-2)	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-25I	µg/L	16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-25S	µg/L	16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		5-Feb-09	NA		<1.0	<1.0		<1.0	<1.0		<1.0
GW-26I	µg/L	16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-26S	µg/L	16-Jun-05	<5		<5	<5		<10	<5	<5	<5
		7-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-27I	µg/L	14-Feb-03	<2		**57**	27		140	58		130
		24-Mar-05	<5		**49**	33		100	42	<5	69
		15-Jun-05	<5		**47**	37		120	46	<5	86
		25-Aug-05	<5	79	**43**	30	<5	91	39	<5	54
		7-Dec-05	<5.0	120	**46**	41	<5.0	140	58	<5.0	63
		6-Mar-06	<5.0	58	**50**	41	<5.0	130	50	<5.0	72
		8-Jun-06	<5.0	110	**51**	44	<5.0	140	55	<5.0	91
		7-Dec-06	<5.0	150	**48**	42	<5.0	130	53	<5.0	82
		6-Jun-07	<5.0	240	**53**	44	<5.0	150	56	<5.0	110
		12-Dec-07	NA	NA	**41**	41	NA	120	52	NA	94
		10-Jun-08	NA	NA	**35**	51	NA	180	58	NA	100
		5-Feb-09	NA	NA	**45**	57	NA	180	58	NA	120
		2-Jul-09	NA	NA	**44**	29	NA	93	41	NA	26
		10-Dec-09	NA	NA	**43**	39	NA	120	53	NA	50
		30-Nov-11	NA	NA	**47**	40	NA	130	53	NA	66
		12-Dec-12	NA	NA	**39**	26	NA	81	35	NA	44
		16-Jan-14	NA	NA	**39**	26	NA	81	37	NA	31
		10-Dec-15	NA	NA	**32**	20	NA	70	30	NA	23
		29-Apr-16	<5	170	<5	8.3	<5	27	11	<5	15
		20-May-16	<5.0	<50	<5.0	<5.0	<5.0	13	<5.0	<5.0	6.7
		5-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	12	5.1	<5.0	7.4
		8-Dec-16	NA	NA	3.2	7.2	NA	17	7.6	NA	13
		22-Sep-17	NA	NA	**6.7**	14	NA	39	15	NA	28
GW-27S	µg/L	15-Jun-05	<5		<5	<5		<10	<5	<5	<5
		23-Aug-05	<5	<50	<5	<5	<5	<10	<5	<5	<5
		7-Dec-05	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Mar-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Jun-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		7-Dec-06	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Jun-07	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Dec-07	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Jun-08	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		5-Feb-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		2-Jul-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-09	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		30-Nov-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		16-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-28S	µg/L	28-Jun-00			**6**	36					44
		13-Feb-03	<2		**14**	190		170	15		22
GW-28D	µg/L	2-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		16-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		9-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		7-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-28I	µg/L	9-Dec-15	NA	NA	1.6	<1.0	NA	<1.0	<1.0	NA	<1.0
		28-Apr-16	<5	680	<5	<5	<5	<10	<5	<5	<5
		19-May-16	<5.0	230	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		24-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-29I	µg/L	2-Dec-11	NA	NA	1.6	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		16-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-29S	µg/L	2-Dec-11	NA	NA	**76**	16.0	NA	54	21	NA	18
		13-Dec-12	NA	NA	**5.1**	3.1	NA	9.5	3.5	NA	2.3
		16-Jan-14	NA	NA	**34**	16.0	NA	53	22	NA	7.7
		10-Dec-15	NA	NA	**12**	3.5	NA	2.0	4.3	NA	<1.0
		28-Apr-16	<5	52	**6.9**	<5	<5	<10	<5	<5	<5
		18-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	12	6.4	NA	2.4	4.7	NA	1
		22-Sep-17	NA	NA	**11**	7.2	NA	2.4	4.2	NA	<1.0
GW-30I	µg/L	2-Dec-11	NA	NA	**8.5**	<1.0	NA	5.8	2.0	NA	<1.0
		1-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		16-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		18-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		18-Sep-17 (DUP-1)	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-30S	µg/L	2-Dec-11	NA	NA	**20**	2.7	NA	2.6	5.2	NA	1.8
		13-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		16-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		10-Dec-15 (DUP-3)	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		18-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-31I	µg/L	2-Dec-11	NA	NA	**7.6**	7.1	NA	27	13	NA	3.3
		14-Dec-12	NA	NA	**6.4**	8.7	NA	14	11	NA	4.7
		15-Jan-14	NA	NA	**6.4**	8.9	NA	15	9.4	NA	5.1
		9-Dec-15	NA	NA	**5.4**	7.7	NA	17	8.6	NA	3.9
		27-Apr-16	<5	<50	<5	5.3	<5	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	3.8	5.3	NA	1.2	1.1	NA	2.2
		22-Sep-17	NA	NA	3.8	4.6	NA	<1.0	1.5	NA	1.8
GW-31S	µg/L	2-Dec-11	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Dec-12	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		15-Jan-14	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		9-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		7-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-32I	µg/L	2-Dec-11	NA	NA	**15**	4.0	NA	47	19	NA	4.2
		13-Dec-12	NA	NA	**19**	7.4	NA	58	27	NA	2.0
		15-Jan-14	NA	NA	**14**	7.2	NA	50	22	NA	1.8
		9-Dec-15	NA	NA	**11**	4.9	NA	36	16	NA	2.1
		28-Apr-16	<5	58	<5	<5	<5	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-33I	µg/L	2-Dec-11	NA	NA	**18**	<1.0	NA	5.8	5.1	NA	1.1
		12-Dec-12	NA	NA	**17**	<1.0	NA	3.6	4.2	NA	1.0
		15-Jan-14	NA	NA	**12**	<1.0	NA	3.9	3.7	NA	1.4
		10-Dec-15	NA	NA	**7.0**	2.2	NA	7.0	3.2	NA	1.1
		29-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		20-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		5-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		22-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-41S	µg/L	10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		28-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		18-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	3.5
		22-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-42I	µg/L	10-Dec-15	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		27-Apr-16	<5	<50	<5	<5	<5	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		3-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		6-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		19-Sep-17	NA	NA	<1.0	<1.0	NA	1.7	<1.0	NA	<1.0
GW-43I	µg/L	10-Dec-15	NA	NA	**7.7**	2.0	NA	9.1	5.6	NA	1.1
		28-Apr-16	<5	92	<5	<5	<5	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		20-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 5
Historical Groundwater Detections of Site COCs - VOCs
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	1,2-Dichloroethane	Acetone	Benzene	Ethylbenzene	Isopropylbenzene	m,p-Xylene	o-Xylene	Styrene	Toluene
Type 1 RRS	µg/L		5	4000	5	700				100	1000
GW-44I	µg/L	9-Dec-15	NA	NA	1.2	3.5	NA	10	4.4	NA	4.4
		28-Apr-16	<5	170	<5	<5	8.3	<10	<5	<5	<5
		19-May-16	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		4-Oct-16	<5.0	<50	<5.0	<5.0	5.5	<10	<5.0	<5.0	<5.0
		8-Dec-16	NA	NA	<1.0	6.4	NA	16	7.4	NA	3.5
		22-Sep-17	NA	NA	<1.0	4.9	NA	13	5.5	NA	2.6
GW-45S	µg/L	19-Sep-17	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-46S	µg/L	20-Sep-17	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
GW-47S	µg/L	20-Sep-17	NA	NA	<1.0	1.6	NA	3.1	1.9	NA	1.4
PZ-1	µg/L	21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
PZ-2	µg/L	21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
PZ-3	µg/L	21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
PZ-4	µg/L	20-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Notes:
µg/L - micrograms per liter
NA - Not analyzed
RRS - Risk Reduction Standard
Bold cell indicates detection above the Type 1 RRS.
COCs - Constituents of Concern
VOCs - Volatile organic carbons

Table 6
Historical Groundwater Detections of Site COCs - Metals
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Units	Date	Arsenic[1]	Barium[1]	Cadmium[1]	Chromium[1]	Chromium, Hexavalent[2]	Lead[1]	Mercury[3]	Selenium[1]	Silver[1]
Type 1 RRS	mg/L		0.01	2	0.005	0.1		0.015	0.002	0.05	0.1
GW-20I	mg/L	27-Apr-16	<0.05	0.0217	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		18-May-16	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		19-Sep-17	<0.0500	0.0236	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-20S	mg/L	27-Apr-16	<0.05	0.115	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		18-May-16	<0.0500	0.108	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.157	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		21-Sep-17	<0.0500	0.149	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-24I	mg/L	28-Apr-16	<0.05	0.151	<0.005	<0.01	<0.01	**0.109**	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	0.115	<0.0050	<0.0100	<0.010	**0.0933**	<0.00020	<0.0200	<0.0100
		5-Oct-16	<0.0500	0.0880	<0.0050	<0.0100	<0.010	**0.0478**	<0.00020	<0.0200	<0.0100
		22-Sep-17	<0.0500	0.0728	<0.0050	<0.0100	NA	**0.0231**	<0.00020	<0.0200	<0.0100
GW-27I	mg/L	29-Apr-16	<0.05	0.245	<0.005	0.0168	0.018	**0.0195**	<0.0002	<0.02	<0.01
		20-May-16	<0.0500	0.106	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		5-Oct-16	<0.0500	0.0436	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		22-Sep-17	<0.0500	0.104	<0.0050	<0.0100	NA	**0.0250**	<0.00020	<0.0200	<0.0100
GW-28I	mg/L	28-Apr-16	<0.05	0.194	<0.005	0.0119	<0.01	<0.01	0.00036	<0.02	<0.01
		19-May-16	<0.0500	0.171	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.371	<0.0050	0.0256	<0.100	**0.0518**	<0.00020	<0.0200	<0.0100
		21-Sep-17	<0.0500	0.0433	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-29S	mg/L	28-Apr-16	<0.05	0.0501	<0.005	<0.01	<0.01	**0.043**	<0.0002	<0.02	<0.01
		18-May-16	<0.0500	0.0778	<0.0050	<0.0100	0.032	**0.221**	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	1.08	<0.0050	**0.153**	<0.100	**0.397**	<0.00020	<0.0200	<0.0100
		22-Sep-17	<0.0500	**2.12**	<0.0050	**0.157**	NA	**1.24**	0.00028	<0.0200	<0.0100
GW-31I	mg/L	27-Apr-16	<0.05	0.336	<0.005	<0.01	<0.01	**0.0947**	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	0.287	<0.0050	<0.0100	<0.010	**0.0704**	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.180	<0.0050	<0.0100	<0.010	**0.0162**	<0.00020	<0.0200	<0.0100
GW-32I	mg/L	28-Apr-16	<0.05	0.0412	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	0.0356	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.0507	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		21-Sep-17	<0.0500	0.0884	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-33I	mg/L	29-Apr-16	<0.05	0.0554	<0.005	<0.01	0.012	<0.01	<0.0002	<0.02	<0.01
		20-May-16	<0.0500	0.0651	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		5-Oct-16	<0.0500	0.0877	<0.0050	<0.0100	<0.010	0.0128	<0.00020	<0.0200	<0.0100
		22-Sep-17	<0.0500	0.0612	<0.0050	<0.0100	NA	0.0101	<0.00020	<0.0200	<0.0100
GW-41S	mg/L	28-Apr-16	<0.05	0.0653	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		18-May-16	<0.0500	0.0640	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.0632	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		22-Sep-17	<0.0500	0.0576	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-42I	mg/L	27-Apr-16	<0.05	0.075	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	0.0426	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		3-Oct-16	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		19-Sep-17	<0.0500	<0.0200	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-43I	mg/L	28-Apr-16	<0.05	<0.02	<0.005	<0.01	<0.01	<0.01	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	0.0377	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		20-Sep-17	<0.0500	0.0625	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
GW-44I	mg/L	28-Apr-16	<0.05	0.125	<0.005	<0.01	<0.01	0.0103	<0.0002	<0.02	<0.01
		19-May-16	<0.0500	0.0681	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		4-Oct-16	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	0.0236	<0.0100
		22-Sep-17	<0.0500	0.0600	<0.0050	<0.0100	NA	**0.0956**	<0.00020	<0.0200	<0.0100

Notes:

µg/L - micrograms per liter

NA - Not analyzed

RRS - Risk Reduction Standard

Bold cell indicates detection above the Type 1 RRS.

[1] Method SW6010C

[2] Method SM3500-C

[3] Method SW7470A

Appendix A
EPD Correspondences and Responses

GAEPD Review Comments and GDOT Responses
GDOT VIRP Application and Annual Groundwater and Surface Water Monitoring Reports

The Georgia Environmental Protection Division (EPD) has reviewed the Voluntary Investigation and Remediation Plan (VIRP) dated January 16, 2017 submitted by AECOM for the subject tax parcel (the "Property") pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8—100 et, seq. As part of the VIRP review, EPD also reviewed the above referenced Annual Surface Water and Groundwater Sampling Reports (Annual Reports) and offers the following comments, which should be addressed in accordance with the Act:

VRP Application

1. 1tem#2 of the Application Form and Checklist (AFC) requires the submittal a warranty deed for the qualifying Property. The chain of title and legal description included on the GeoSurvey, Ltd. Property Survey that is provided in Appendix A of the VIRP is not the equivalent of a warranty deed. Therefore, please submit a warranty deed that has been recorded in the Coffee County deed records for the qualifying Property in the first VRP semiannual progress report.

Responses: Agree. GDOT will submit a warranty deed with the Semiannual progress report in December 2017. (Document used to legally transfer property). A warranty deed states that the owner can legally transfer the property and that no other entity has a claim or lien on it.

2. The Property survey provided in Appendix A of the VIRP depicts the boundary of the qualifying Property but fails to include all abutting property boundaries and tax parcel identification numbers as required by Item# 3 of the AFC. Please submit a tax plat or other figure that includes the qualifying Property boundary, abutting properties, and tax parcel identification numbers in the first VRP semiannual progress report. Figure 2 of the VIRP may be modified to satisfy this condition.

Response: Figure 2 will be modified.

3. The approved Type 1 RRS in Tables 1 and 2 of the VIRP and Table 6 of the 2016 Annual Report are acceptable for use as the Type 1 delineation standards for the Property. EPD concurs with the discussions regarding the completion of the lateral and vertical extents of contamination presented in Section 5.6 of the VIRP and Section 6.4 of the 2016 Annual Report.

Response: Agree.

4. The milestone schedule provided in Appendix B of the VIRP should be revised to include the four generic milestone events required by Item #s 5a. through 5b. of the AFC, which requires the submittal of semiannual progress reports and the final CSR. The revised milestone schedule should be updated as corrective action progresses at the qualifying Property (ies) and should be included in all future periodic reports.

Response: Agree. The milestone schedule will be revised to include the following events:

1. Within 12 months, complete horizontal delineation of the release and associated COCs on property where access is available at the time of enrollment;
2. Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;
3. Semiannual progress/ Corrective Action progress reports; and,
4. Final CSR

5. Section 3.3 of the VIRP states that the Sharma Hospitality Property will remain in the HSRA Program. According to the 2016 Annual Report, chemicals of concern (COC) are present above the cleanup criteria in the groundwater at monitoring locations GW-11I and GW-I8S, which are located on the Sharma Hospitality Property. Please note that while GDOT's initial plans for corrective action do not currently incorporate the Shanna Hospitality Property, the final remediation plan that is due within 30-months of enrollment may require corrective actions necessary to bring the Shanna Hospitality Property into compliance with one or more applicable risk reduction standards (RRS) pursuant to Section 391-3-19-.O7 of the Rules for Hazardous Site Response (Rules).

Response: Agree. Spot treatment will be conducted at at well locations that consistently show detections above RRSs.

6. Section 7.1 of the VIRP proposes the investigation of the surface water pathway in the eastern drainage ditch to determine if surface water has been impacted by the discharge of chemicals of concern from the Property above the Georgia In-Stream Water Quality Standards (GISWQS). EPD does not agree with GDOT's assessment of incomplete pathways with respect to surface water and sediment, as surface water impacts have been documented in excess of GISWQS in the eastern drainage ditch, and historic and/or recent sediments samples were not submitted or referenced in support of the statement that sediment in the eastern drainage ditch has not been impacted. As such, EPD considers the groundwater to surface water exposure pathway to be potentially complete and will reevaluate the exposure pathway based on the results of additional surface water/ sediment investigations. Please ensure that exposure pathway assessments are updated in the periodic progress reports, and that they address the following comments/recommendations:

   a. GDOT proposed a surface water investigation in Section 7.1 of the VIRP. Please provide additional design details for the surface water investigation in a *Surface Water Investigation Plan* in the first VRP semiannual progress report, including: gauging locations, methods used for determining average annual ditch flow conditions from groundwater discharging to the ditch, proposed clean-up standards and supporting justification for every site specific criterion, etc.

Response: The December 29, 2017 first VRP semiannual progress report will include a Surface Water Investigation Plan which describes the following:

- Gauging locations,
- Method used for determining average annual ditch flow conditions from groundwater discharging to the ditch;

- Proposed clean-up standards; and,
- Supporting justification for every site specific criterion, etc.

The GISWQS are applicable under annual average or higher stream flow conditions per 391-3-6-.03(5)(e)(iv). Therefore, proper interpretation of surface water PAH results obtained under less than average ditch flow conditions (as is typically the case) requires that the observed PAH concentrations be adjusted or normalized to the long-term annual average ditch flow condition. GDOT will determine the annual average ditch flow for Eastern Drainage Ditch at the USGS Satilla River and Alapaha River Gage stations and then normalize measured in-stream PAH results to the annual average stream flow condition. The Satilla River and Alapaha River gages began continuous gaging operations in 1937 and can be used as long-term references or index stations for record extension and augmentation of the short-term record that will be available for the Walker Street Site by the end of 2018.

In addition, piezometers will be used for pore water collection and measurement of hydraulic head, PAHs, temperature, and conductivity. The piezometers will be used to determine the hydraulic gradient between the Eastern Drainage Ditch and the ground water beneath it. The difference in temperature and conductivity between ground water and ditch will be recorded. Hydraulic gradient data from the piezometers will be used to estimate the water flux from groundwater to the ditch. To determine water flux, the hydraulic conductivity of the sediments (determined via Shelby tube analysis) as well as the cross-sectional area of the flux along the plume discharge length.

b. Due to the detection of PAHs, benz(a)anthracene (0.12 ug/L) and chrysene (0.22 ug/L), above their respective GISWQSs at surface water sample SW- 4 and multiple PAHs at downgradient surface water location SW-5, EPD recommends that GDOT include a surface water sample down gradient of SW-5 as part of the additional surface water investigation/assessment proposed in the VIRP Application.

Response: Agree. Location will be added

7. Section 7.2 of the VIRP proposes 2 years of groundwater monitoring to confirm the performance of the recent full-scale ISCO groundwater treatment and obtain the necessary data to properly model the fate and transport of residual impacts, but does not specify a sampling frequency. While groundwater and surface water sampling have been conducted on an annual basis for a number of years, EPD recommends that GDOT sample groundwater on a quarterly basis for at least one year following enrollment and semiannually thereafter to measure the effectiveness of the ISCO treatments.

Response: Agree. GDOT will continue to sample the 13 performance monitoring wells (GW-20I, GW-20S, GW-24I, GW-27I, GW-28I, GW-29S, GW-31I, GW-32I, GW-33I, GW-41I, GW-42I, GW-43I, and GW44I) on a quarterly basis starting in late July or early August in support of future modeling and remedy performance evaluation. Following one year of quarterly sampling, a switch will be made to semiannual sampling as well as a reduction in the number of wells in the monitoring network.

8. The first VRP semiannual progress report should clarify the VRP remediation goals for groundwater at the qualifying Property pursuant to Section 12-8-108 of the Act and address the following:

   a. Section 7.4 of the VIRP indicated that the Bioscreen Fate and Transport model would be used to develop revised RRS. Please note that for certification to site specific RRS, a point of exposure (POE) and associated point of demonstration (POD) should be established for site-specific cleanup standards for groundwater pursuant to Sections 12-8-108(3) and 12-8-108(4) of the Act. The POD should demonstrate that groundwater concentrations are protective of the down gradient POE.

Response: A point of exposure (POE) well and a point of demonstration (POD) well will be established. The POD well will be located such that measurements from that well allow prediction of concentrations at the down-gradient POE.

P**oint of Exposure** (POE) monitoring will be identified that is the nearest of the following locations:

- (A) The closest existing downgradient drinking water supply well;
- (B) The likely nearest future location of a downgradient drinking water supply well where public supply water is not currently available and is not likely to be made available within the foreseeable future; or
- (C) The hypothetical point of drinking water exposure located at a distance of 1,000 feet downgradient from the delineated site contamination.

Potable water comes from six municipal groundwater wells screened approximately 700 feet deep within the Upper Floridian Aquifer. The closest existing public water supply well is not directly downgradient, and is approximately 3,000 feet from the Site. However, a hypothetical well located 1,000 feet down gradient of the down gradient edge of the plume will serve as the POE. This edge has been defined on the GDOT site. The additional work on the Lott property will confirm the edge and/or establish a new edge.

Point of Demonstration (POD) Monitoring for Groundwater: VRP specifies that concentration of regulated constituents detected on a VIRP Property shall be measured and evaluated at a POD well. The purpose of the POD well is to demonstrate that groundwater concentration are protective of any established downgradient point of exposure. A POD well will be identified, consisting of a "monitoring well located between the source of site groundwater contamination and the hypothetical downgradient POE". Following installation and sampling of the additional wells to be installed on the Lott property, a monitoring well will be selected as the POD well.

The estimated plume length will be increased by 1,000 feet to allow contaminant transport calculation through the POE. Bioscreen will be used to calculate the Site-specific cleanup standard for protection of ground water.

   b. 1-methylnapthalene and 2-methylnaphthalene are not regulated substances and should be removed from text, tables, and figures of future reports. Please also note that the Type 1 RRS for phenanthrene is the method detection limit.

Response: Tables and figures will be revised accordingly.

9. Section 7.5 of the VIRP states that revised RRS will be developed and presented in the final VRP CSR. EPD requests that GDOT finalize the approval of all RRS prior to the submittal of the final remediation plan.

Response: Agree. RRSs will be estimated and submitted for approval prior to the submittal of the final remediation plan.

10. In accordance with the Property's June 15, 2017 VRP approval letter, GDOT has until December 29, 2017 to include all known impacted properties as qualifying properties under the Act or notify EPD that the known impacted property will not be included in the VRP. Section 3.3 of the VIRP states that a separate VRP application is being prepared for the Lott Property (Tax Parcel D010 013). The Lott Property is located down gradient of the qualifying Property at 1201 North Peterson Avenue, Douglas, Georgia, 31533. Please note that a separate VRP application may not be required for the Lott Property should GDOT choose to update the current application to add the Lott Property as a qualifying property in the VRP.

Response: Lott has already agreed to participate in the VRP and will be included in the December 29, 2017 submittal. Additional site investigation activities are being planned for the site and the soil and groundwater results will be used to define the boundaries of portion of the Lott property that will become a qualifying property. However, Sharma has not agreed to join the VRP.

11. Figure 14 of the VIRP shows the layout of the Property prior to the 2003-2004 excavation activities. Please include the former dug creosote well on the Property in future source area figures.

Response: Figure will be revised to include this information.

<u>Annual Reports</u>

12. Section 6.3 of the 2016 Annual Report provides a discussion of RCRA metals and hexavalent chromium performance monitoring results in April, May, and October 2016 following the ISCO injections. Metals analysis was performed to monitor for potential mobilization associated with the ISCO injections. Based on a review of Table 6 of the 2016 Annual Report, EPD noted that lead was detected above the Type 1 RRS (15 ug/l) at GW-24I (47.8 ug/L), GW-28I (51.8 ug/L), GW-29S (397 ug/L), and GW-31I (16.2ug/L). Metals analysis was not included in the December 2016 annual groundwater sampling event. GDOT should continue sampling for RCRA metals at these monitoring wells until the concentrations comply with the designated RRS or VRP standards.

Response: GDOT will resume RCRA metals analyses in future sampling events.

13. Table 1 of the Annual Reports indicate that the monitoring wells installed in 2015 have not been surveyed, and approximate field survey TOC elevations were presented in the 2016 Report. The 2015 series monitoring wells should be surveyed prior to the next scheduled sampling event and the potentiometric map should be revised accordingly. A cross section that intersects the newly installed wells should be submitted, as the existing cross sections do not intersect many of the ISCO treatment area and performance monitoring wells.

Response: GDOT will include X-section that intersects GW-13.

14. Tables 1 through Table 6 of the ISOTEC ISCO Progress Report (Appendix A of the 2016 Annual Report) denote continuous surfacing of the oxidant throughout the injection events. According to the ISOTEC Report, the injection process stopped and no further injections were attempted at that particular injection screen. However, there was no discussion of the surfacing events with respect to the overall effectiveness of the ISCO treatment program. Please provide a discussion in the next progress report and include a figure that denotes the surfacing locations of the oxidant.

Response: Summary discussions about the surfacing, location figure, and approximate quantities that surfaced will be included in the December 29, 2017 progress report.

GDOT must address these comments to EPD's satisfaction in order to demonstrate compliance with the provisions, purposes, standards and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by GDOT. However, failure of EPD to respond to a submittal within any timeframe does not relieve GDOT from complying with the provisions, purposes, standards and policies of the Act.

Please address the comments listed above in the first VRP semiannual progress report, or as otherwise appropriate, which should be submitted to EPD by December 29, 2017. If you have any questions regarding this matter, please contact Ms. Antonia Beavers of the Response and Remediation Program at 404/657-0487.

Progress report is due December 29, 2017.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Land Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1054, East Tower
Atlanta, Georgia 30334
404-657-8600

June 30, 2017

VIA E-MAIL AND REGULAR MAIL

Georgia Department of Transportation
c/o T. Dale Brantley, State Maintenance Engineer
One Georgia Center
600 West Peachtree Street, NW10th Floor
Atlanta, Georgia 30308

Re: January 2017 Voluntary Remediation Program Application
December 2015 Surface Water & Annual Groundwater Sampling Report, February 2016
December 2016 Surface Water & Annual Groundwater Sampling Report and Full-Scale Groundwater ISCO Injection and Performance Monitoring Report, February 2017
Former GDOT District 4 Main HQ, HSI# 10025
213 Walker Street, Douglas, Coffee County, Georgia
Tax Parcel D011 220

Dear Mr. Brantley:

The Georgia Environmental Protection Division (EPD) has reviewed the Voluntary Investigation and Remediation Plan (VIRP) dated January 16, 2017 submitted by AECOM for the subject tax parcel (the "Property") pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8-100 *et. seq.* As part of the VIRP review, EPD also reviewed the above referenced Annual Surface Water and Groundwater Sampling Reports (Annual Reports) and offers the following comments, which should be addressed in accordance with the Act:

VRP Application

1. Item#2 of the Application Form and Checklist (AFC) requires the submittal a warranty deed for the qualifying Property. The chain of title and legal description included on the GeoSurvey, Ltd. Property Survey that is provided in Appendix A of the VIRP is not the equivalent of a warranty deed. Therefore, please submit a warranty deed that has been recorded in the Coffee County deed records for the qualifying Property in the first VRP semiannual progress report.

2. The Property survey provided in Appendix A of the VIRP depicts the boundary of the qualifying Property but fails to include all abutting property boundaries and tax parcel identification numbers as required by Item# 3 of the AFC. Please submit a tax plat or other figure that includes the qualifying Property boundary, abutting properties, and tax parcel identification numbers in the first VRP semiannual progress report. Figure 2 of the VIRP may be modified to satisfy this condition.

3. The approved Type 1 RRS in Tables 1 and 2 of the VIRP and Table 6 of the 2016 Annual Report are acceptable for use as the Type 1 delineation standards for the Property. EPD concurs with the discussions regarding the completion of the lateral and vertical extents of contamination presented in Section 5.6 of the VIRP and Section 6.4 of the 2016 Annual Report.

4. The milestone schedule provided in Appendix B of the VIRP should be revised to include the four generic milestone events required by Item #s 5.a. through 5.b. of the AFC, which requires the submittal semiannual progress reports and the final CSR. The revised milestone schedule should be updated as corrective action progresses at the qualifying Property (ies) and should be included in all future periodic reports.

5. Section 3.3 of the VIRP states that the Sharma Hospitality Property will remain in the HSRA Program. According to the 2016 Annual Report, chemicals of concern (COC) are present above the cleanup criteria in the groundwater at monitoring locations GW-11I and GW-18S, which are located on the Sharma Hospitality Property. Please note that while GDOT's initial plans for corrective action do not currently incorporate the Sharma Hospitality Property, the final remediation plan that is due within 30-months of enrollment may require corrective actions necessary to bring the Sharma Hospitality Property into compliance with one or more applicable risk reduction standards (RRS) pursuant to Section 391-3-19-.07 of the Rules for Hazardous Site Response (Rules).

6. Section 7.1 of the VIRP proposes the investigation of the surface water pathway in the eastern drainage ditch to determine if surface water has been impacted by the discharge of chemicals of concern from the Property above the Georgia In-Stream Water Quality Standards (GISWQS). EPD does not agree with GDOT's assessment of incomplete pathways with respect to surface water and sediment, as surface water impacts have been documented in excess of GISWQS in the eastern drainage ditch, and historic and/or recent sediments samples were not submitted or referenced in support of the statement that sediment in the eastern drainage ditch has not been impacted. As such, EPD considers the groundwater to surface water exposure pathway to be potentially complete and will reevaluate the exposure pathway based on the results of additional surface water/ sediment investigations. Please ensure that exposure pathway assessments are updated in the periodic progress reports, and that they address the following comments/recommendations:

   a. GDOT proposed a surface water investigation in Section 7.1 of the VIRP. Please provide additional design details for the surface water investigation in a *Surface Water Investigation Plan* in the first VRP semiannual progress report, including: gauging locations, methods used for determining average annual ditch flow conditions from groundwater discharging to the ditch, proposed clean-up standards and supporting justification for every site specific criterion, etc.

   b. Due to the detection of PAHs, benz(a)anthracene (0.12 ug/L) and chrysene (0.22 ug/L), above their respective GISWQSs at surface water sample SW- 4 and multiple PAHs at downgradient surface water location SW-5, EPD recommends that GDOT include a surface water sample down gradient of SW-5 as part of the additional surface water investigation/assessment proposed in the VIRP Application.

7. Section 7.2 of the VIRP proposes 2 years of groundwater monitoring to confirm the performance of the recent full-scale ISCO groundwater treatment and obtain the necessary data to properly model the fate and transport of residual impacts, but does not specify a sampling frequency. While groundwater and surface water sampling have been conducted on an annual basis for a number of years, EPD recommends that GDOT sample groundwater on a quarterly basis for at least one year following enrollment and semiannually thereafter to measure the effectiveness of the ISCO treatments.

8. The first VRP semiannual progress report should clarify the VRP remediation goals for groundwater at the qualifying Property pursuant to Section 12-8-108 of the Act and address the following:

   a. Section 7.4 of the VIRP indicated that the Bioscreen Fate and Transport model would be used to develop revised RRS. Please note that for certification to site specific RRS, a point of exposure (POE) and associated point of demonstration (POD) should be established for site-specific cleanup standards for groundwater pursuant to Sections 12-8-108(3) and 12-8-108(4) of the Act. The POD should demonstrate that groundwater concentrations are protective of the down gradient POE.

   b. 1-methylnapthalene and 2-methylnaphthalene are not regulated substances and should be removed from text, tables, and figures of future reports. Please also note that the Type 1 RRS for phenanthrene is the method detection limit.

9. Section 7.5 of the VIRP states that revised RRS will be developed and presented in the final VRP CSR. EPD requests that GDOT finalize the approval of all RRS prior to the submittal of the final remediation plan.

10. In accordance with the Property's June 15, 2017 VRP approval letter, GDOT has until December 29, 2017 to include all known impacted properties as qualifying properties under the Act or notify EPD that the known impacted property will not be included in the VRP. Section 3.3 of the VIRP states that a separate VRP application is being prepared for the Lott Property (Tax Parcel D010 013). The Lott Property is located down gradient of the qualifying Property at 1201 North Peterson Avenue, Douglas, Georgia, 31533. Please note that a separate VRP application *may not be required* for the Lott Property should GDOT choose to update the current application to add the Lott Property as a qualifying property in the VRP.

11. Figure 14 of the VIRP shows the layout of the Property prior to the 2003-2004 excavation activities. Please include the former dug creosote well on the Property in future source area figures.

<u>Annual Reports</u>

12. Section 6.3 of the 2016 Annual Report provides a discussion of RCRA metals and hexavalent chromium performance monitoring results in April, May, and October 2016 following the ISCO injections. Metals analysis was performed to monitor for potential mobilization associated with the ISCO injections. Based on a review of Table 6 of the 2016 Annual Report, EPD noted that lead was detected above the Type I RRS (15 ug/l) at GW-24I (47.8 ug/L), GW-28I (51.8 ug/L), GW-29S (397 ug/L), and GW-31I (16.2ug/L). Metals analysis

was not included in the December 2016 annual groundwater sampling event. GDOT should continue sampling for RCRA metals at these monitoring wells until the concentrations comply with the designated RRS or VRP standards.

13. Table 1 of the Annual Reports indicate that the monitoring wells installed in 2015 have not been surveyed, and approximate field survey TOC elevations were presented in the 2016 Report. The 2015 series monitoring wells should be surveyed prior to the next scheduled sampling event and the potentiometric map should be revised accordingly. A cross section that intersects the newly installed wells should be submitted, as the existing cross sections do not intersect many of the ISCO treatment area and performance monitoring wells.

14. Tables 1 through Table 6 of the ISOTEC ISCO Progress Report (Appendix A of the 2016 Annual Report) denote continuous surfacing of the oxidant throughout the injection events. According to the ISOTEC Report, the injection process stopped and no further injections were attempted at that particular injection screen. However, there was no discussion of the surfacing events with respect to the overall effectiveness of the ISCO treatment program. Please provide a discussion in the next progress report and include a figure that denotes the surfacing locations of the oxidant.

GDOT must address these comments to EPD's satisfaction in order to demonstrate compliance with the provisions, purposes, standards and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by GDOT. However, failure of EPD to respond to a submittal within any timeframe does not relieve GDOT from complying with the provisions, purposes, standards and policies of the Act.

Please address the comments listed above in the first VRP semiannual progress report, or as otherwise appropriate, which should be submitted to EPD by December 29, 2017. If you have any questions regarding this matter, please contact Ms. Antonia Beavers of the Response and Remediation Program at 404/657-0487.

Sincerely,

Jason Metzger
Program Manager
Response and Remediation Program

c: GDOT, William Wright (Via email)
AECOM, Felix Nchako (Via email)

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GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Land Protection Branch
2 Martin Luther King, Jr. Drive
Suite 1054, East Tower
Atlanta, Georgia 30334
404-657-8600

June 30, 2017

VIA E-MAIL AND REGULAR MAIL

Georgia Department of Transportation
c/o T. Dale Brantley, State Maintenance Engineer
One Georgia Center
600 W. Peachtree Street, NW 10th Floor
Atlanta, GA 30308

Re: Voluntary Investigation and Remediation Plan and Application, January 16, 2017
Georgia Department of Transportation-District 4 Main HQ Property, HSI Site No. 10025
213 Walker Street, Douglas, Coffee County, Georgia
Tax Parcel D011 220

Dear Mr. Brantley:

The Georgia Environmental Protection Division (EPD) has reviewed the Voluntary Investigation and Remediation Plan (VIRP) dated January 16, 2017 submitted pursuant to the Georgia Voluntary Remediation Program Act (the Act). The VIRP was submitted in addition to an Annual Report required pursuant to the Georgia Rules for Hazardous Site Response (the Rules) for the above referenced property. EPD is approving your voluntary remediation plan, which specifies corrective action consisting of the following:

- Certification to Type 2 Risk Reduction Standards (RRS) for soil on the qualifying property.
- Conduct groundwater monitoring for two years to verify the effectiveness of prior In Situ Chemical Oxidation (ISCO) using a Modified Fenton's Reagent in support of Monitored Natural Attenuation (MNA) as a post ISCO remedy.
- Investigation of surface water and sediment impacts from groundwater discharging into the surface water drainage feature on the eastern border of the property.
- Execution of a uniform environmental covenant as an institutional control to ensure future control of site related exposure pathways.

Therefore, EPD is accepting Georgia Department of Transportation (GDOT) as a participant as defined in the Voluntary Remediation Program Act for the following qualifying property, provided GDOT implements the VIRP in compliance with the Act, the schedule and EPD Comment Letter dated June 30, 2017:

Qualifying property:

213 Walker Street
Douglas, Coffee County, Georgia
Tax Parcel D011 220

Within six months of detecting regulated substance(s) on a non-qualifying property, GDOT must apply to EPD to include the affected property as a qualifying property under the Act or notify EPD that the non-qualifying property is not included under the Act. Because GDOT is performing corrective action at the above referenced property in accordance with an approved corrective action plan, EPD is hereby reclassifying it from Class I to Class V.

EPD requires that GDOT and the professional engineer/geologist specified in the VIRP oversee the implementation of the VIRP in accordance with the provisions, purposes, standards and policies of the Act. EPD may, at its sole discretion, review and comment on documents submitted by GDOT. However, failure of EPD to respond to a submittal within any timeframe does not relieve GDOT from complying with the specified schedule and the provisions, purposes, standards and policies of the Act. Should GDOT fail to comply with the above schedule, EPD may terminate enrollment of the GDOT and the qualifying property from the voluntary remediation program.

EPD anticipates receipt of a VRP Semiannual Progress Report by December 29, 2017 and a compliance status report (CSR) including certification of compliance with applicable risk reduction standards on or before June 30, 2022. If you have any questions regarding this matter, please contact Ms. Antonia Beavers of the Response and Remediation Program at (404) 657-0487.

Sincerely,

Jason Metzger
Program Manager
Response and Remediation Program

c: GDOT, William Wright (Via email)
AECOM, Felix Nchako (Via email)

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Appendix B
Revised VRP Application

Voluntary Investigation and Remediation Plan Application Form and Checklist

VRP APPLICANT INFORMATION					
COMPANY NAME	Georgia Department of Transportation (GDOT)				
CONTACT PERSON/TITLE	Andy Doyle, P.E., State Maintenance Engineer				
ADDRESS	One Georgia Center, 600 W. Peachtree Street, 10th Floor, Atlanta, GA, 30308				
PHONE	404-631-1390	FAX 404-631-1932		E-MAIL	adoyle@dot.ga.gov

GEORGIA CERTIFIED PROFESSIONAL GEOLOGIST OR PROFESSIONAL ENGINEER OVERSEEING CLEANUP					
NAME	Felix Nchako, Senior Geoscientist			GA PE/PG NUMBER	0873
COMPANY	AECOM				
ADDRESS	1360 Peachtree St NE #500, Atlanta, GA 30309				
PHONE	678-808-8921	FAX 404-965-9605		E-MAIL	Felix.nchako@aecom.com

APPLICANT'S CERTIFICATION

In order to be considered a qualifying property for the VRP:

(1) The property must have a release of regulated substances into the environment;
(2) The property shall not be:
- (A) Listed on the federal National Priorities List pursuant to the federal Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Section 9601.
- (B) Currently undergoing response activities required by an order of the regional administrator of the federal Environmental Protection Agency; or
- (C) A facility required to have a permit under Code Section 12-8-66.

(3) Qualifying the property under this part would not violate the terms and conditions under which the division operates and administers remedial programs by delegation or similar authorization from the United States Environmental Protection Agency.
(4) Any lien filed under subsection (e) of Code Section 12-8-96 or subsection (b) of Code Section 12-13-12 against the property shall be satisfied or settled and released by the director pursuant to Code Section 12-8-94 or Code Section 12-13-6.

In order to be considered a participant under the VRP:
- (1) The participant must be the property owner of the voluntary remediation property or have express permission to enter another's property to perform corrective action.
- (2) The participant must not be in violation of any order, judgment, statute, rule, or regulation subject to the enforcement authority of the director.

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.

I also certify that this property is eligible for the Voluntary Remediation Program (VRP) as defined in Code Section 12-8-105 and I am eligible as a participant as defined in Code Section 12-8-106.

APPLICANT'S SIGNATURE			
APPLICANT'S NAME/TITLE (PRINT)	Andy Doyle, P.E., State Maintenance Engineer	DATE	10 Jan. 2018

QUALIFYING PROPERTY INFORMATION (For additional qualifying properties, please refer to the last page of application form)			
HAZARDOUS SITE INVENTORY INFORMATION (if applicable)			
HSI Number	10025	Date HSI Site listed	July 1, 1994, July 25, 1997
HSI Facility Name	GA Dept of Trans – Dist 4 Main HQ (Former)	NAICS CODE	
PROPERTY INFORMATION			
TAX PARCEL IDs	D011 220	PROPERTY SIZE (ACRES)	13.6
PROPERTY ADDRESS	213 Walker Street		
CITY	Douglas	COUNTY	Coffee
STATE	Georgia	ZIPCODE	31533
LATITUDE (decimal format)	31.517778	LONGITUDE (decimal format)	-82.853333
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	GDOT	PHONE #	404-631-1390
MAILING ADDRESS	One Georgia Center, 600 W. Peachtree Street, 10th Floor		
CITY	Atlanta	STATE/ZIPCODE	Georgia 30308

ITEM #	DESCRIPTION OF REQUIREMENT	Location in VRP (i.e. pg., Table #, Figure #, etc.)	For EPD Comment Only (Leave Blank)
1.	**$5,000 APPLICATION FEE** IN THE FORM OF A CHECK PAYABLE TO THE GEORGIA DEPARTMENT OF NATURAL RESOURCES. (PLEASE LIST CHECK DATE AND CHECK NUMBER IN COLUMN TITLED "LOCATION IN VRP." PLEASE DO NOT INCLUDE A SCANNED COPY OF CHECK IN ELECTRONIC COPY OF APPLICATION.)		
2.	**WARRANTY DEED(S)** FOR QUALIFYING PROPERTY.	**Appendix A**	
3.	**TAX PLAT** OR OTHER FIGURE INCLUDING QUALIFYING PROPERTY BOUNDARIES, ABUTTING PROPERTIES, AND TAX PARCEL IDENTIFICATION NUMBER(S).	**Appendix A**	
4.	**ONE (1) PAPER COPY AND TWO (2) COMPACT DISC (CD) COPIES** OF THE VOLUNTARY REMEDIATION PLAN IN A SEARCHABLE PORTABLE DOCUMENT FORMAT (PDF).	**Attached "Preliminary Remediation Plan and VRP Application"**	
5.	The VRP participant's initial plan and application must include, using all reasonably available current information to the extent known at the time of application, a graphic three-dimensional preliminary conceptual site model (CSM) including a preliminary remediation plan with a table of delineation standards, brief supporting text, charts, and figures (no more than 10 pages, total) that illustrates the site's surface and subsurface setting, the known or suspected source(s) of contamination, how contamination might move within the environment, the potential human health and ecological receptors, and the complete or incomplete exposure pathways that may exist at the site; the preliminary CSM must be updated as the investigation and remediation progresses and an up-to-date CSM must be included in each semi-annual status report submitted to the director by the participant; a **PROJECTED MILESTONE SCHEDULE** for investigation and remediation of the site, and after enrollment as a participant, must update the schedule in each semi-	**Appendix B**	

	annual status report to the director describing implementation of the plan during the preceding period. A Gantt chart format is preferred for the milestone schedule. The following four (4) generic milestones are required in all initial plans with the results reported in the participant's next applicable semi-annual reports to the director. The director may extend the time for or waive these or other milestones in the participant's plan where the director determines, based on a showing by the participant, that a longer time period is reasonably necessary:		
5.a.	Within the first 12 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern on property where access is available at the time of enrollment;		
5.b.	Within the first 24 months after enrollment, the participant must complete horizontal delineation of the release and associated constituents of concern extending onto property for which access was not available at the time of enrollment;		
5.c.	Within 30 months after enrollment, the participant must update the site CSM to include vertical delineation, finalize the remediation plan and provide a preliminary cost estimate for implementation of remediation and associated continuing actions; and		
5.d.	Within 60 months after enrollment, the participant must submit the compliance status report required under the VRP, including the requisite certifications.		
6.	**SIGNED AND SEALED PE/PG CERTIFICATION** AND SUPPORTING DOCUMENTATION: "I certify under penalty of law that this report 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/professional geologist 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 Remediation Plan 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." FELIX N. NCHAKO PG 873 — 01/11/18 Printed Name and GA RE/PG Number — Date Felix N. Nchako Signature and Stamp FELIX N. NCHAKO No. 0873 GEORGIA REGISTERED PROFESSIONAL GEOLOGIST		

ADDITIONAL QUALIFYING PROPERTIES (COPY THIS PAGE AS NEEDED)

PROPERTY INFORMATION			
TAX PARCEL ID	D010 013	PROPERTY SIZE (ACRES)	16.1
PROPERTY ADDRESS	1201 Peterson Ave N.		
CITY	Douglas	COUNTY	Coffee
STATE	GA	ZIPCODE	31533
LATITUDE (decimal format)	31.520903	LONGITUDE (decimal format)	82.852625
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)	Douglas Investment Co. LLC	PHONE #	912-384-1800 ext. 32
MAILING ADDRESS	1201 Peterson Ave N.		
CITY	Douglas	STATE/ZIPCODE	GA 31533

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

PROPERTY INFORMATION			
TAX PARCEL ID		PROPERTY SIZE (ACRES)	
PROPERTY ADDRESS			
CITY		COUNTY	
STATE		ZIPCODE	
LATITUDE (decimal format)		LONGITUDE (decimal format)	
PROPERTY OWNER INFORMATION			
PROPERTY OWNER(S)		PHONE #	
MAILING ADDRESS			
CITY		STATE/ZIPCODE	

Appendix C
Boring Logs and Well Construction Schematics

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BORING NUMBER Lott SB-1

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 203.23 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 4.00 ft / Elev 199.23 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0						
					0.3 Concrete Paving 202.9	
			GP		0.6 (GP) Gravel and Sand base material 202.6	
	SS SB-1 (0-2)	100	CL		(CL) Red and Grey CLAY. Slightly plastic, dense, hard. 1.8 201.5	PID = 3.6
			OL		2.0 (OL) MUCK - Black, highly organic, sandy CLAY. Loose, wet. 201.2	
2.5	SS SB-1 (2-4)	100	SP		(SP) Light to dark grey SAND with some fines. Wet below 4'. ∇ 6.0 197.2	PID = 3.9
5.0						PID = 6.1
			SM		(SM) Light grey and orange, sandy CLAY. Soft, plastic. 8.0 195.2	PID = 8
7.5						
			CL		(CL) Light grey and orange CLAY. Stiff to slightly plastic. 10.0 193.2	PID = 6.3
10.0						

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

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BORING NUMBER Lott SB-2

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 203.19 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
AT TIME OF DRILLING 4.00 ft / Elev 199.19 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0.0					Concrete Paving	202.9	
0.3			GP		(GP) Sandy GRAVEL, base layer.	202.2	
1.0	SS SB-2 (0-2)	100	SM		(SM) Grey, silty, fine SAND. Trace clay.	200.9	PID = 7
2.3			CL		(CL) Black, highly organic, sandy CLAY / MUCK. Wet.	199.2	PID = 6.5
2.5	SS SB-2 (2-4)	100					
4.0			SM		(SM) Dark grey, silty, fine SAND. Trace clay. Wet.	197.2	PID = 6.8
5.0							
6.0			SC-SM		(SC-SM) Dark grey, clayey, fine SAND. Wet, plastic.	195.7	PID = 5.1
7.5			CL		(CL) Orange and light grey, sandy CLAY. Stiff, slightly plastic.	193.2	PID = 2
10.0							

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-3

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 202.65 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 3.50 ft / Elev 199.15 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0	SS SB-3 (0-2)	100	SM		(SM) Dark grey, fine SAND with trace silt and clay. Some thin (<1/4") intermittent clay stringers.	PID = 3.4
1.5			SM		(SM) Light grey to tan fine sand with some fines.	
2.5	SS SB-3 (2-4)	100	OL		(OL) Black, highly organic, sandy CLAY (MUCK). Wet, loose. ∇	PID = 3.2
4.0			SM		(SM) Grey, fine to medium SAND with some fines.	PID = 7.5
5.5			CL		(CL) Grey and brown, sandy CLAY / clayey SAND. Wet, loose, slightly plastic.	PID = 3.8
8.0			CL		(CL) Orange and grey, sandy CLAY. Stiff, slightly plastic.	PID = 4.6
10.0						

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-4

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 202.27 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
AT TIME OF DRILLING 3.50 ft / Elev 198.77 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0.0					Concrete	0.3 / 202.0	
			GP		(GP) Sandy GRAVEL, base fill.	0.5 / 201.8	
	SS SB-4 (0-2)	100	SP		(SP) Light to dark grey, clayey SAND. Wet, loose, slightly plastic.	2.0 / 200.3	PID = 4.1
2.5			OL		(OL) Black, highly organic, sandy CLAY (MUCK). Wet, loose.	2.8 / 199.5	
	SS SB-4 (2-4)	100	CL		(CL) Light to dark grey, sandy CLAY. Wet below 3.5'.		PID = 6.2
5.0							PID = 4.9
			SC		(SC) Light grey, clayey SAND. Wet, loose, slightly plastic.	5.5 / 196.8	PID = 6.9
7.5			CL		(CL) Grey and orange, sandy CLAY. Stiff, slightly plastic, sticky.	7.5 / 194.8	PID = 8.3
10.0						10.0 / 192.3	

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-5

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 203.92 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
AT TIME OF DRILLING 3.00 ft / Elev 200.92 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0.0							
	SS SB-5 (0-2)	100	SP		(SP) Tan SAND.		
					1.0	202.9	
			CL		(CL) Brown and grey, CLAY. Dry, stiff.		PID = 13.5
					2.0	201.9	
2.5	SS SB-5 (2-4)	100	SP		(SP) Light to dark grey, SAND with some fines.		
					3.0 ▽	200.9	
			OL		(OL) Black, highly organic, sandy CLAY. Loose, wet.		PID = 11.5
					3.3	200.7	
			SP		(SP) Dark grey, clayey SAND. Wet, loose, slightly plastic.		
5.0					5.0	198.9	
			CL		(CL) Light grey, sandy CLAY with some green clayey inclusions.		PID = 9.2
					6.0	197.9	
7.5			CL		(CL) Grey CLAY with trace sand. Soft, plastic.		PID = 9.1
					9.0	194.9	
			CL		(CL) Grey and orange, silty, sandy CLAY. Stiff.		PID = 9.4
10.0					10.0	193.9	

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-6

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 205.88 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 4.00 ft / Elev 201.88 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0	SS SB-6 (0-2)	100	CL		(CL) Grey and red, sandy CLAY. Dry, stiff. 1.0 / 204.9	PID = 7.7
			CL		(CL) Black CLAY with trace gravel and some organics. Soft, slightly plastic. 1.5 / 204.4	
			CL		(CL) Red and grey, CLAY. 2.0 / 203.9	
2.5	SS SB-6 (2-4)	100	SP-SC		(SP-SC) Light grey to black, clayey SAND / sandy CLAY. Wet below 4'. ∇ 5.0 / 200.9	PID = 24.3
5.0			OL		(OL) Black, highly organic, sandy CLAY (MUCK). Loose, wet. Sand content increases from top to bottom. 6.5 / 199.4	PID = 33.1
7.5			SP		(SP) Light grey, fine SAND. Stiff, wet.	PID = 68.1
10.0					10.0 / 195.9	PID = 59.7

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-7

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 203.51 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 3.50 ft / Elev 200.01 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0						
					0.3 Concrete 203.2	
	SS SB-7 (0-2)	100	SP		(SP) Light grey to tan, fin SAND with trace fines.	PID = 1.5
2.5					2.5 201.0	
	SS SB-7 (2-4)	100	OL		(OL) Black, highly organic to woody, sandy CLAY (MUCK). Loose, wet below 3.5'. ∇	PID = 4.8
					4.8 198.8	
5.0			SP		(SP) Light grey, clayey, fine SAND.	PID = 4.7
					7.0 196.5	
7.5			CL		(CL) Light grey, sandy CLAY with red inclusions. Soft, plastic to 8'. Firm, slightly plastic 8'-10'.	PID = 4.7
10.0					10.0 193.5	PID = 3.2

Bottom of borehole at 10.0 feet.

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BORING NUMBER Lott SB-8

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 206.37 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 5.00 ft / Elev 201.37 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0	SS SB-8 (0-2)	100	CL		(CL) Light grey to tan, silty CLAY with trace organics.	PID = 8.7
2.0						204.4
2.5	SS SB-8 (2-4)	100	CL		(CL) Red and grey, sandy CLAY. Soft, plastic.	PID = 12.5
5.0					∇	201.4
			SP-SC		(SP-SC) Light to dark grey, clayey SAND. Clay content increases with depth.	PID = 14.4
7.5						PID = 11.8
8.0						198.4
			CL		(CL) Light grey, sandy CLAY with some reddish brown inclusions. Wet, soft, plastic/sticky.	PID = 9.3
10.0						196.4

Bottom of borehole at 10.0 feet.

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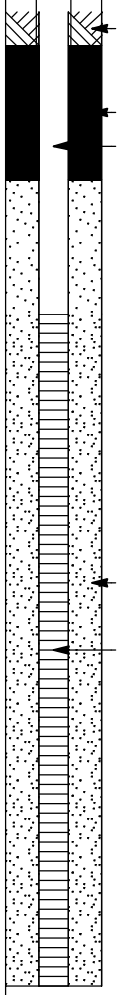
WELL NUMBER Lott SB-9 / GW-46

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 203.97 ft **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD Dual Tube - HSA
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring and Monitoring Well
AFTER DRILLING 1.55 ft / Elev 202.42 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	MATERIAL DESCRIPTION		ENVIRONMENTAL DATA
0						
	SS SB-9 (0-2)	100	CL	0.3 Concrete	203.7	
				(CL) Red, orange and grey, sandy CLAY.		PID = 3.1
				1.5	202.5	
			SP-SC	(SP-SC) Tan to dark grey, fine SAND with trace fines.		
	SS SB-9 (2-4)	100		3.0	201.0	
			OL	(OL) Black, highly organic to woody, sandy CLAY (MUCK). Wet.		PID = 11
				4.3	199.7	
5			SP	(SP) Light grey, fine SAND with trace fines.		PID = 4.3
						PID = 9.9
				8.0	196.0	
			SP	(SP) Light grey, clayey, fine SAND with CLAY stringers (<1/2" thick).		PID = 10
10				10.0	194.0	
15						

WELL DIAGRAM

Casing Top Elev: 203.71 (ft)
Casing Type: 2" PVC



Bottom of borehole at 15.5 feet.

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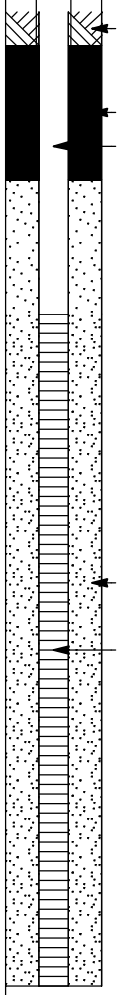
WELL NUMBER Lott SB-10 / GW-47

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 202.53 ft **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD Dual Tube - HSA
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring and Monitoring Well
AFTER DRILLING 2.75 ft / Elev 199.78 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0					0.3 Concrete 202.2	
	SS SB-10 (0-2)	100	CL		1.0 (CL) Red and grey CLAY. 201.5	
			SW		(SW) Tan to light grey fine SAND.	PID = 6.5
	SS SB-10 (2-4)	100			3.3 199.3	PID = 92
			OH		3.8 (OH) Black, sandy CLAY. Loose, wet. Strong creosote odor at 3.25' bls. 198.8	
			SP-SC		(SP-SC) Light grey, clayey, fine SAND. Wet. Creosote odor.	
5						PID = 99
					7.0 195.5	
			CL		(CL) Light grey, red and orange, sandy CLAY. Stiff, slightly plastic.	PID = 11.9
						PID = 24.1
10						
					12.0 190.5	
			SP-SC		(SP-SC) Orange to tan, sandy CLAY / clayey SAND.	
15					15.0 187.5	

WELL DIAGRAM

Casing Top Elev: 202.31 (ft)
Casing Type: 2" PVC



Bottom of borehole at 15.5 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

BORING NUMBER Lott SB-11

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 202.16 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
∇ **AT TIME OF DRILLING** 2.75 ft / Elev 199.41 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0						
	SS SB-11 (0-2)	100	CL		(CL) Grey and red CLAY. 0.5 – 201.7	PID = 8.1
			SW		(SW) Light grey to tan, fine SAND. 2.5 – 199.7	
2.5	SS SB-11 (2-4)	100	OH		(OH) Black, highly organic, sandy CLAY. Wet, loose. 2.8 ∇ – 199.4	PID = 9.5
5.0						PID = 11
7.5			CL		(CL) Light grey and brown, sandy CLAY / clayey SAND. 8.5 – 193.7	PID = 8.3
			CL		(CL) Light grey CLAY with red inclusions. 10.0 – 192.2	PID = 8
10.0						

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

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Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

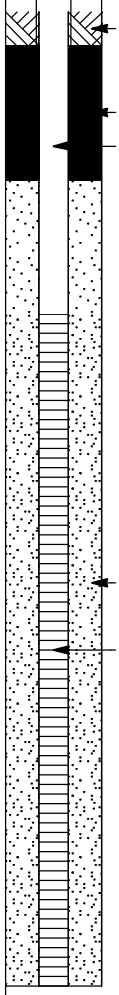
WELL NUMBER Lott SB-12 / GW-45

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/09/17 **COMPLETED** 08/09/17
GROUND ELEVATION 206.48 ft **HOLE SIZE** 6 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD Dual Tube - HSA
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring and Monitoring Well
AFTER DRILLING 2.21 ft / Elev 204.27 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0	SS SB-12 (0-2)	100	SP		(SP) Tan SAND with trace organics. 1.0 – 205.5	
			CL		(CL) Orange, grey and red, CLAY with trace sand. 2.5 – 204.0	PID = 1.5
	SS SB-12 (2-4)	100	OH		(OH) Black, highly organic, sandy CLAY. Loose, wet. 3.0 – 203.5	
			SP		(SP) Dark grey to black, SAND grades to clayey SAND with depth. Wet below 5'. 7.0 – 199.5	PID = 6.5
5						PID = 9.5
			CL		(CL) Dark grey, sandy CLAY. Soft, plastic. 10.5 – 196.0	PID = 13.1
10						PID = 14.3
			CL		(CL) Grey, red and orange, sandy CLATY. Stiff, slightly plastic. 15.0 – 191.5	
15						

WELL DIAGRAM

Casing Top Elev: 206.14 (ft)
Casing Type: 2" PVC



Bottom of borehole at 15.5 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

BORING NUMBER Lott SB-13

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/10/17 **COMPLETED** 08/10/17
GROUND ELEVATION 201.77 ft **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Geo Lab Drilling
GROUND WATER LEVELS:
DRILLING METHOD DPT - Dual Tube
AT TIME OF DRILLING 1.50 ft / Elev 200.27 ft
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0					Concrete (0.3 / 201.5)	
	SS SB-13 (0-2)	100	SP		(SP) Reddish brown to tan, SAND. (1.5 / 200.3)	PID = 1.5
2.5	SS SB-13 (2-4)	100	OH		(OH) Black, highly organic, sandy CLAY (MUCK). Wet, loose. (4.0 / 197.8)	PID = 7.9
5.0			OL		(OL) Black, slightly organic, sandy CLAY. (6.0 / 195.8)	PID = 6.2
7.5			SP		(SP) Dark grey SAND with some fines. Wet, trace organics.	PID = 9
10.0					(10.0 / 191.8)	PID = 11.4

Bottom of borehole at 10.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

BORING NUMBER Lott SB-14

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 09/19/17 **COMPLETED** 09/19/17
GROUND ELEVATION 201.02 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR AECOM
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING 3.80 ft / Elev 197.22 ft
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	
0.0			SP		0.3 (SP) Tan SAND with trace organics.	200.8
	AU SB-14 (0-2)	100	CL		(CL) Orange, grey and red, CLAY with trace sand.	
2.5	AU SB-14 (2-4)	100			3.0	198.0
			OH		(OH) Black, highly organic, sandy CLAY. Loose, wet. 3.5	197.5
			CL		(CL) Light grey sandy CLAY. Wet, slightly plastic. 4.0	197.0

Bottom of borehole at 4.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

BORING NUMBER Lott SB-15

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 09/19/17 **COMPLETED** 09/19/17
GROUND ELEVATION 200.37 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR AECOM
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING 4.00 ft / Elev 196.37 ft
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	
0.0			SP		0.3 (SP) Tan SAND with trace organics.	200.1
	AU SB-15 (0-2)	100	CL		(CL) Orange, grey and red, CLAY with trace sand.	
2.5	AU SB-15 (2-4)	100			3.0	197.4
			OH		(OH) Black, highly organic, sandy CLAY. Loose, wet. 3.5	196.9
			CL		(CL) Light grey sandy CLAY. Wet, slightly plastic. 4.0	196.4

Bottom of borehole at 4.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

BORING NUMBER Lott SB-16

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 09/19/17 **COMPLETED** 09/19/17
GROUND ELEVATION 200.86 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR AECOM
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING 3.80 ft / Elev 197.06 ft
NOTES Soil Boring
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	
0.0			SP		0.3 (SP) Tan SAND with trace organics.	200.6
	AU SB-16 (0-2)	100	CL		(CL) Orange, grey and red, CLAY with trace sand.	
2.5	AU SB-16 (2-4)	100			3.0	197.9
			OH		(OH) Black, highly organic, sandy CLAY. Loose, wet. 3.5	197.4
			CL		(CL) Light grey sandy CLAY. Wet, slightly plastic. 4.0	196.9

Bottom of borehole at 4.0 feet.

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 08:21 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

AECOM
1360 Peachtree Street NE, Ste. 500
Atlanta, GA 30309
(404) 965-9600
(404) 965-9605 fax
www.aecom.com

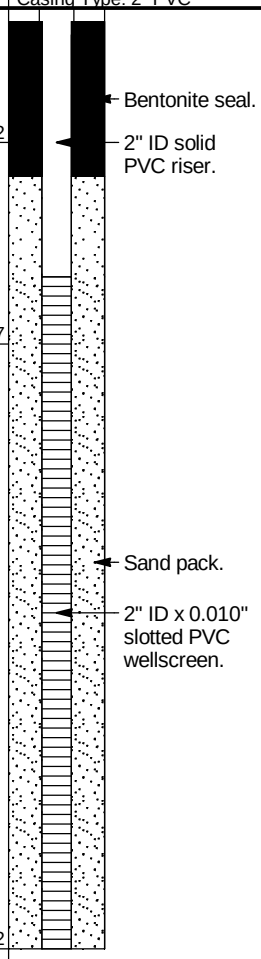
WELL NUMBER PZ-4

CLIENT Georgia Department of Transportation
PROJECT NAME Former Walker Street Facility - Lott Soil Investigation
PROJECT NUMBER 60440866
PROJECT LOCATION 1201 N. Peterson Avenue, Douglas, GA
DATE STARTED 08/08/17 **COMPLETED** 08/08/17
GROUND ELEVATION 201.17 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR AECOM
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY R. Hilliard **CHECKED BY** F. Nchako
AT END OF DRILLING ---
NOTES Soil Boring and Piezometer
AFTER DRILLING 2.39 ft / Elev 198.78 ft

DEPTH (ft)	SAMPLE TYPE NUMBER	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEV
0.0					
		OH		(OH) Dark brown, organic, sandy SILT (topsoil).	
1.0					200.2
		SM		(SM) Light brown to light grey, silty fine SAND.	
2.5					198.7
		CH		(CH) Orange and grey, sandy CLAY. Dense, plastic. Wet.	
5.0					
7.0					194.2
7.5					

Bottom of borehole at 7.5 feet.

WELL DIAGRAM



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 01/05/18 11:16 - P:\PROJECTS\ENV\GDOT\60440866_WALKERSTR\400-TECHNICAL\434-VRP INVESTIGATION - LOTT\GINT LOGS\GDOT_LOTT.GPJ

Appendix D
Laboratory Analytical Data Reports
(Only included in digital versions)

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

August 22, 2017

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1708D32

Analytical Environmental Services, Inc. received 28 samples on 8/12/2017 1:55:00 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:
-NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms and E. coli, effective 04/25/17-04/24/20.
-NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

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

AES

CHAIN OF CUSTODY

Work Order: 1708D32

Date: 8/9/11 Page 1 of 2

COMPANY: AECOM

ADDRESS: 1360 Peachtree St NE Suite 500 Atlanta GA 30309

PHONE: 404-965-9600

EMAIL: felix.nchako@aecom.com

SAMPLED BY: R. Hilliard / AECOM

SIGNATURE:

ANALYSIS REQUESTED: 8270C-SIM; 8260B-VOC; Total Pb

PRESERVATION (see codes): I I 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)	8270C-SIM	8260B-VOC	Total Pb	REMARKS	Number of Containers
1	Lott SB-1 (0-2)	8/10	13:18	X		SO	X	X	X		5
2	Lott SB-1 (2-4)	8/10	13:22	X		SO	X	X	X		5
3	Lott SB-2 (0-2)	8/10	0945	X		SO	X	X	X		5
4	Lott SB-2 (2-4)	8/10	0950	X		SO	X	X	X		5
5	Lott SB-3 (0-2)	8/10	1100	X		SO	X	X	X		5
6	Lott SB-3 (2-4)	8/10	11:25	X		SO	X	X	X		5
7	Lott SB-4 (0-2)	8/10	10:30	X		SO	X	X	X		5
8	Lott SB-4 (2-4)	8/10	10:35	X		SO	X	X	X		5
9	Lott SB-5 (0-2)	8/9	12:30	X		SO	X	X	X		5
10	Lott SB-5 (2-4)	8/9	12:40	X		SO	X	X	X		5
11	Lott SB-6 (0-2)	8/9	14:33	X		SO	X	X	X		5
12	Lott SB-6 (2-4)	8/9	14:35	X		SO	X	X	X		5
13	Lott SB-7 (0-2)	8/9	16:55	X		SO	X	X	X		5
14	Lott SB-7 (2-4)	8/9	17:00	X		SO	X	X	X		5

RELINQUISHED BY: DATE/TIME:
1. 8/12/11 1355
2.
3.

RECEIVED BY: DATE/TIME:
1. 8/12/11 1355
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT - Walker Street
PROJECT #: 60440866
SITE ADDRESS: West Walker Street Douglas, Ga.
SEND REPORT TO: Felix.Nchako@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
☒ Standard 5 Business Days
☐ 2 Business Day Rush
☐ Next Business Day Rush
☐ Same-Day Rush (auth req.)
☐ Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

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

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

White Copy - Original; Yellow Copy - Client

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

AES

CHAIN OF CUSTODY

Work Order: 1708D32

Date: 8/9/17 Page 2 of 2

COMPANY: AECOM

ADDRESS: 1360 Peachtree St. NE Suite 500 Atlanta Ga 30309

PHONE: 404-965-9600

EMAIL: Felix.Nchako@aecom.com

SAMPLED BY:

SIGNATURE:

ANALYSIS REQUESTED: 8270C-SIM; 8260B-VOC; Total Pb

PRESERVATION (see codes)

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)	8270C-SIM	8260B-VOC	Total Pb									REMARKS	Number of Containers
1	Lott SB-8 (0-2)	8/9	11:55	X		SO	X	X	X										5
2	Lott SB-8 (2-4)	8/9	12:00	X		SO	X	X	X										5
3	Lott SB-9 (0-2)	8/9	15:15	X		SO	X	X	X										5
4	Lott SB-10 (0-2)	8/10	07:45	X		SO	X	X	X										5
5	Lott SB-10 (2-4)	8/10	07:48	X		SO	X	X	X										5
6	Lott SB-9 (2-4)	8/9	15:20	X		SO	X	X	X										5
7	Lott SB-11 (0-2)	8/10	0859	X		SO	X	X	X										5
8	Lott SB-11 (2-4)	8/10	0904	X		SO	X	X	X										5
9	Lott SB-12 (0-2)	8/9	10:10	X		SO	X	X	X										5
10	Lott SB-12 (2-4)	8/9	10:15	X		SO	X	X	X										5
11	Lott SB-13 (0-2)	8/10	13:55	X		SO	X	~~X~~	X	Pb									~~2~~
12	Lott SB-13 (2-4)	8/10	14:00	X		SO	X	~~X~~	X										~~2~~
13	Trip Blank-1	—	—	X		W		X											2
14	Trip Blank-2	—	—	X		W		X											2

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	8/12/17 1355	1. [signature]	8/12/17 1355
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
SB-13 (0-2), SB-13 (2-4) 8270 + Pb only.

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

PROJECT INFORMATION
PROJECT NAME: GDOT-Walker Street
PROJECT #: 604408666
SITE ADDRESS: West Walker Street Douglas, GA
SEND REPORT TO: Felix.nchako@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1708D32

Case Narrative

Sample Receiving Non-conformance:

Sample LOTT SB-2(0-2) was received with a broken methanol vial and sample LOTT SB-8 (2-4) was received with a broken sodium bisulfate vial. The laboratory proceeded with both samples using the remaining vials. Furthermore, samples LOTT SB-6(0-2) and LOTT SB-11(2-4) were received with 1 of the 2 jars broken. Lastly, sample LOTT SB-6(0-2) was received with the 4oz jar broken and sample LOTT SB-11(2-4) was received with the 2oz jar broken. The laboratory proceeded with all the analyses requested on the remaining jars received.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on samples 1708D32-002A,-003A, -004A, -005A, -007A,-012A, -014A, -017A, -018A, & -019A was outside control limits biased low due to suspected matrix interference. All other internal standard recoveries were within control limits.

Due to sample matrix, sample 1708D32-010A required dilution during preparation and/or analysis resulting in elevated reporting limits. Sample was ran twice and poorly purged both times.

Percent recovery for the internal standard compounds Pentafluorobenzene, 1,4-Difluorobenzene, Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 on samples 1708D32-020A, & -022A was outside control limits biased low due to suspected matrix interference. The samples were ran twice.

Percent recovery for the internal standard compounds Chlorobenzene-d5 and 1,4-Dichlorobenzene-d4 on sample 1708D32-024A was outside control limits biased low due to suspected matrix interference. The sample was ran twice.

Acetone value for sample 1708D32-022A is "E" qualified indicating an estimated value over linear calibration range. Sample was diluted and reanalyzed with analyte being below reporting limit due to the level of dilution required for other compounds.

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-1(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 1:18:00 PM
Lab ID:	1708D32-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,1,2,2-Tetrachloroethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,1,2-Trichloroethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,1-Dichloroethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,1-Dichloroethene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2,4-Trichlorobenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2-Dibromo-3-chloropropane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2-Dibromoethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2-Dichlorobenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2-Dichloroethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,2-Dichloropropane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,3-Dichlorobenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
1,4-Dichlorobenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
2-Butanone	BRL	31		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
2-Hexanone	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
4-Methyl-2-pentanone	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Acetone	68	62		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Benzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Bromodichloromethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Bromoform	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Bromomethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Carbon disulfide	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Carbon tetrachloride	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Chlorobenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Chloroethane	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Chloroform	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Chloromethane	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
cis-1,2-Dichloroethene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
cis-1,3-Dichloropropene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Cyclohexane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Dibromochloromethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Dichlorodifluoromethane	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Ethylbenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Freon-113	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Isopropylbenzene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
m,p-Xylene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Methyl acetate	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Methyl tert-butyl ether	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Methylcyclohexane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Methylene chloride	BRL	12		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
o-Xylene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-1(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 1:18:00 PM
Lab ID:	1708D32-001	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Tetrachloroethene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Toluene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
trans-1,2-Dichloroethene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
trans-1,3-Dichloropropene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Trichloroethene	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Trichlorofluoromethane	BRL	3.1		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Vinyl chloride	BRL	6.2		ug/Kg-dry	246893	1	08/18/2017 15:39	CJ
Surr: 4-Bromofluorobenzene	90.3	63-125		%REC	246893	1	08/18/2017 15:39	CJ
Surr: Dibromofluoromethane	97.2	69.9-123		%REC	246893	1	08/18/2017 15:39	CJ
Surr: Toluene-d8	96.3	70-122		%REC	246893	1	08/18/2017 15:39	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	19		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
2-Methylnaphthalene	BRL	19		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Acenaphthene	BRL	19		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Acenaphthylene	BRL	38		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Anthracene	14	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Benz(a)anthracene	5.1	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Benzo(a)pyrene	11	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Benzo(b)fluoranthene	36	3.8		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Benzo(g,h,i)perylene	17	3.8		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Benzo(k)fluoranthene	BRL	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Chrysene	11	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Dibenz(a,h)anthracene	BRL	3.8		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Fluoranthene	8.9	3.8		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Fluorene	4.5	3.8		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Indeno(1,2,3-cd)pyrene	16	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Naphthalene	BRL	19		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Phenanthrene	7.5	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Pyrene	7.9	1.9		ug/Kg-dry	246951	1	08/16/2017 13:32	YH
Surr: 4-Terphenyl-d14	77.9	50.2-121		%REC	246951	1	08/16/2017 13:32	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	5.09	4.33		mg/Kg-dry	246949	1	08/15/2017 18:54	IO
PERCENT MOISTURE D2216								
Percent Moisture	12.3	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-1(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 1:22:00 PM
Lab ID:	1708D32-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
2-Butanone	BRL	34		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
2-Hexanone	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
4-Methyl-2-pentanone	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Acetone	75	69		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Benzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Bromodichloromethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Bromoform	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Bromomethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Carbon disulfide	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Chlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Chloroethane	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Chloroform	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Chloromethane	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Cyclohexane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Dibromochloromethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Dichlorodifluoromethane	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Ethylbenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Freon-113	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Isopropylbenzene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
m,p-Xylene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Methyl acetate	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Methylcyclohexane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Methylene chloride	BRL	14		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
o-Xylene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-1(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 1:22:00 PM
Lab ID:	1708D32-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Tetrachloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Toluene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Trichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Vinyl chloride	BRL	6.9		ug/Kg-dry	246893	1	08/19/2017 00:42	CJ
Surr: 4-Bromofluorobenzene	78.7	63-125		%REC	246893	1	08/19/2017 00:42	CJ
Surr: Dibromofluoromethane	101	69.9-123		%REC	246893	1	08/19/2017 00:42	CJ
Surr: Toluene-d8	92.2	70-122		%REC	246893	1	08/19/2017 00:42	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	22		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
2-Methylnaphthalene	BRL	22		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Acenaphthene	88	22		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Acenaphthylene	79	42		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Anthracene	270	2.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Benz(a)anthracene	540	22		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Benzo(a)pyrene	390	22		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Benzo(b)fluoranthene	790	42		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Benzo(g,h,i)perylene	270	4.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Benzo(k)fluoranthene	300	2.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Chrysene	930	22		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Dibenz(a,h)anthracene	60	4.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Fluoranthene	390	42		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Fluorene	100	4.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Indeno(1,2,3-cd)pyrene	300	2.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Naphthalene	BRL	22		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Phenanthrene	360	2.2		ug/Kg-dry	246951	1	08/16/2017 13:58	YH
Pyrene	730	22		ug/Kg-dry	246951	10	08/17/2017 10:33	YH
Surr: 4-Terphenyl-d14	86.8	50.2-121		%REC	246951	1	08/16/2017 13:58	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	37.3	5.52		mg/Kg-dry	246949	1	08/15/2017 18:58	IO
PERCENT MOISTURE D2216								
Percent Moisture	21.0	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-2(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:45:00 AM
Lab ID:	1708D32-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,1,2,2-Tetrachloroethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,1,2-Trichloroethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,1-Dichloroethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2,4-Trichlorobenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2-Dibromo-3-chloropropane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2-Dibromoethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2-Dichlorobenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,2-Dichloropropane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,3-Dichlorobenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
1,4-Dichlorobenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
2-Butanone	BRL	37		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
2-Hexanone	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
4-Methyl-2-pentanone	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Acetone	120	73		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Benzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Bromodichloromethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Bromoform	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Bromomethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Carbon disulfide	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Carbon tetrachloride	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Chlorobenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Chloroethane	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Chloroform	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Chloromethane	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
cis-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
cis-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Cyclohexane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Dibromochloromethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Dichlorodifluoromethane	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Ethylbenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Freon-113	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Isopropylbenzene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
m,p-Xylene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Methyl acetate	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Methyl tert-butyl ether	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Methylcyclohexane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Methylene chloride	BRL	15		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
o-Xylene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-2(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:45:00 AM
Lab ID:	1708D32-003	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Tetrachloroethene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Toluene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
trans-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
trans-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Trichloroethene	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Trichlorofluoromethane	BRL	3.7		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Vinyl chloride	BRL	7.3		ug/Kg-dry	246893	1	08/18/2017 14:00	CJ
Surr: 4-Bromofluorobenzene	78.2	63-125		%REC	246893	1	08/18/2017 14:00	CJ
Surr: Dibromofluoromethane	99.8	69.9-123		%REC	246893	1	08/18/2017 14:00	CJ
Surr: Toluene-d8	93.4	70-122		%REC	246893	1	08/18/2017 14:00	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Acenaphthylene	100	39		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Anthracene	270	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Benz(a)anthracene	130	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Benzo(a)pyrene	210	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Benzo(b)fluoranthene	390	3.9		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Benzo(g,h,i)perylene	320	3.9		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Benzo(k)fluoranthene	59	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Chrysene	140	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Dibenz(a,h)anthracene	53	3.9		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Fluoranthene	260	3.9		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Fluorene	36	3.9		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Indeno(1,2,3-cd)pyrene	330	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Phenanthrene	100	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Pyrene	220	2.0		ug/Kg-dry	246951	1	08/16/2017 14:24	YH
Surr: 4-Terphenyl-d14	99.3	50.2-121		%REC	246951	1	08/16/2017 14:24	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	51.7	5.57		mg/Kg-dry	246949	1	08/15/2017 19:02	IO
PERCENT MOISTURE D2216								
Percent Moisture	16.4	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-2(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:50:00 AM
Lab ID:	1708D32-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,1,2,2-Tetrachloroethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,1,2-Trichloroethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,1-Dichloroethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,1-Dichloroethene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2,4-Trichlorobenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2-Dibromo-3-chloropropane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2-Dibromoethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2-Dichlorobenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2-Dichloroethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,2-Dichloropropane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,3-Dichlorobenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
1,4-Dichlorobenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
2-Butanone	BRL	38		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
2-Hexanone	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
4-Methyl-2-pentanone	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Acetone	170	77		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Benzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Bromodichloromethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Bromoform	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Bromomethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Carbon disulfide	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Carbon tetrachloride	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Chlorobenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Chloroethane	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Chloroform	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Chloromethane	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
cis-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
cis-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Cyclohexane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Dibromochloromethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Dichlorodifluoromethane	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Ethylbenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Freon-113	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Isopropylbenzene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
m,p-Xylene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Methyl acetate	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Methyl tert-butyl ether	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Methylcyclohexane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Methylene chloride	BRL	15		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
o-Xylene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-2(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:50:00 AM
Lab ID:	1708D32-004	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Tetrachloroethene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Toluene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
trans-1,2-Dichloroethene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
trans-1,3-Dichloropropene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Trichloroethene	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Trichlorofluoromethane	BRL	3.8		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Vinyl chloride	BRL	7.7		ug/Kg-dry	246893	1	08/18/2017 14:24	CJ
Surr: 4-Bromofluorobenzene	73.6	63-125		%REC	246893	1	08/18/2017 14:24	CJ
Surr: Dibromofluoromethane	99.3	69.9-123		%REC	246893	1	08/18/2017 14:24	CJ
Surr: Toluene-d8	90	70-122		%REC	246893	1	08/18/2017 14:24	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	22		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
2-Methylnaphthalene	28	22		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Acenaphthene	88	22		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Acenaphthylene	74	43		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Anthracene	340	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Benz(a)anthracene	190	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Benzo(a)pyrene	210	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Benzo(b)fluoranthene	430	4.3		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Benzo(g,h,i)perylene	230	4.3		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Benzo(k)fluoranthene	75	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Chrysene	240	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Dibenz(a,h)anthracene	57	4.3		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Fluoranthene	640	43		ug/Kg-dry	246951	10	08/17/2017 10:59	YH
Fluorene	90	4.3		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Indeno(1,2,3-cd)pyrene	240	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Naphthalene	28	22		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Phenanthrene	260	2.2		ug/Kg-dry	246951	1	08/16/2017 14:50	YH
Pyrene	500	22		ug/Kg-dry	246951	10	08/17/2017 10:59	YH
Surr: 4-Terphenyl-d14	82.8	50.2-121		%REC	246951	1	08/16/2017 14:50	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	71.1	6.00		mg/Kg-dry	246949	1	08/15/2017 19:06	IO
PERCENT MOISTURE D2216								
Percent Moisture	23.2	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-3(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 11:00:00 AM
Lab ID:	1708D32-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
2-Butanone	BRL	34		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
2-Hexanone	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
4-Methyl-2-pentanone	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Acetone	69	68		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Benzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Bromodichloromethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Bromoform	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Bromomethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Carbon disulfide	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Chlorobenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Chloroethane	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Chloroform	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Chloromethane	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Cyclohexane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Dibromochloromethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Dichlorodifluoromethane	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Ethylbenzene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Freon-113	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Isopropylbenzene	4.5	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
m,p-Xylene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Methyl acetate	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Methylcyclohexane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Methylene chloride	BRL	14		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
o-Xylene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-3(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 11:00:00 AM
Lab ID:	1708D32-005	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Tetrachloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Toluene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Trichloroethene	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Vinyl chloride	BRL	6.8		ug/Kg-dry	246893	1	08/18/2017 14:49	CJ
Surr: 4-Bromofluorobenzene	80.5	63-125		%REC	246893	1	08/18/2017 14:49	CJ
Surr: Dibromofluoromethane	97.4	69.9-123		%REC	246893	1	08/18/2017 14:49	CJ
Surr: Toluene-d8	93.3	70-122		%REC	246893	1	08/18/2017 14:49	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Acenaphthylene	49	39		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Anthracene	52	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Benz(a)anthracene	290	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Benzo(a)pyrene	270	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Benzo(b)fluoranthene	380	39		ug/Kg-dry	246951	10	08/17/2017 11:26	YH
Benzo(g,h,i)perylene	210	3.9		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Benzo(k)fluoranthene	120	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Chrysene	320	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Dibenz(a,h)anthracene	57	3.9		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Fluoranthene	630	39		ug/Kg-dry	246951	10	08/17/2017 11:26	YH
Fluorene	29	3.9		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Indeno(1,2,3-cd)pyrene	200	2.0		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Naphthalene	23	20		ug/Kg-dry	246951	1	08/16/2017 15:15	YH
Phenanthrene	340	20		ug/Kg-dry	246951	10	08/17/2017 11:26	YH
Pyrene	470	20		ug/Kg-dry	246951	10	08/17/2017 11:26	YH
Surr: 4-Terphenyl-d14	83.4	50.2-121		%REC	246951	1	08/16/2017 15:15	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	50.1	4.31		mg/Kg-dry	246949	1	08/15/2017 19:10	IO
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-3(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 11:25:00 AM
Lab ID:	1708D32-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,1,2,2-Tetrachloroethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,1,2-Trichloroethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,1-Dichloroethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,1-Dichloroethene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2,4-Trichlorobenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2-Dibromo-3-chloropropane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2-Dibromoethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2-Dichlorobenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2-Dichloroethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,2-Dichloropropane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,3-Dichlorobenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
1,4-Dichlorobenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
2-Butanone	BRL	32		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
2-Hexanone	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
4-Methyl-2-pentanone	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Acetone	BRL	64		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Benzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Bromodichloromethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Bromoform	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Bromomethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Carbon disulfide	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Carbon tetrachloride	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Chlorobenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Chloroethane	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Chloroform	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Chloromethane	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
cis-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
cis-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Cyclohexane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Dibromochloromethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Dichlorodifluoromethane	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Ethylbenzene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Freon-113	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Isopropylbenzene	36	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
m,p-Xylene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Methyl acetate	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Methyl tert-butyl ether	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Methylcyclohexane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Methylene chloride	BRL	13		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
o-Xylene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-3(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 11:25:00 AM
Lab ID:	1708D32-006	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Tetrachloroethene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Toluene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
trans-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
trans-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Trichloroethene	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Trichlorofluoromethane	BRL	3.2		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Vinyl chloride	BRL	6.4		ug/Kg-dry	246926	1	08/19/2017 01:31	CJ
Surr: 4-Bromofluorobenzene	92.7	63-125		%REC	246926	1	08/19/2017 01:31	CJ
Surr: Dibromofluoromethane	96	69.9-123		%REC	246926	1	08/19/2017 01:31	CJ
Surr: Toluene-d8	92.6	70-122		%REC	246926	1	08/19/2017 01:31	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	1800	200		ug/Kg-dry	246951	10	08/17/2017 11:54	YH
2-Methylnaphthalene	2200	200		ug/Kg-dry	246951	10	08/17/2017 11:54	YH
Acenaphthene	2200	200		ug/Kg-dry	246951	10	08/17/2017 11:54	YH
Acenaphthylene	BRL	39		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Anthracene	12	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Benz(a)anthracene	48	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Benzo(a)pyrene	45	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Benzo(b)fluoranthene	84	3.9		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Benzo(g,h,i)perylene	40	3.9		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Benzo(k)fluoranthene	21	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Chrysene	50	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Dibenz(a,h)anthracene	9.6	3.9		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Fluoranthene	100	3.9		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Fluorene	990	39		ug/Kg-dry	246951	10	08/17/2017 11:54	YH
Indeno(1,2,3-cd)pyrene	37	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Naphthalene	260	20		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Phenanthrene	200	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Pyrene	81	2.0		ug/Kg-dry	246951	1	08/16/2017 15:41	YH
Surr: 4-Terphenyl-d14	78.7	50.2-121		%REC	246951	1	08/16/2017 15:41	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	16.1	4.08		mg/Kg-dry	246949	1	08/15/2017 19:13	IO
PERCENT MOISTURE D2216								
Percent Moisture	14.9	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-4(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 10:30:00 AM
Lab ID:	1708D32-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,1,2,2-Tetrachloroethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,1,2-Trichloroethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,1-Dichloroethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2,4-Trichlorobenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2-Dibromo-3-chloropropane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2-Dibromoethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2-Dichlorobenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,2-Dichloropropane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,3-Dichlorobenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
1,4-Dichlorobenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
2-Butanone	BRL	36		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
2-Hexanone	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
4-Methyl-2-pentanone	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Acetone	BRL	71		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Benzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Bromodichloromethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Bromoform	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Bromomethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Carbon disulfide	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Carbon tetrachloride	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Chlorobenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Chloroethane	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Chloroform	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Chloromethane	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
cis-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
cis-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Cyclohexane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Dibromochloromethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Dichlorodifluoromethane	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Ethylbenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Freon-113	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Isopropylbenzene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
m,p-Xylene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Methyl acetate	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Methyl tert-butyl ether	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Methylcyclohexane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Methylene chloride	BRL	14		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
o-Xylene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-4(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 10:30:00 AM
Lab ID:	1708D32-007	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Tetrachloroethene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Toluene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
trans-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
trans-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Trichloroethene	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Trichlorofluoromethane	BRL	3.6		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Vinyl chloride	BRL	7.1		ug/Kg-dry	246893	1	08/18/2017 15:14	CJ
Surr: 4-Bromofluorobenzene	81.9	63-125		%REC	246893	1	08/18/2017 15:14	CJ
Surr: Dibromofluoromethane	102	69.9-123		%REC	246893	1	08/18/2017 15:14	CJ
Surr: Toluene-d8	96	70-122		%REC	246893	1	08/18/2017 15:14	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
2-Methylnaphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Acenaphthene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Acenaphthylene	BRL	40		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Anthracene	32	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Benz(a)anthracene	150	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Benzo(a)pyrene	130	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Benzo(b)fluoranthene	230	4.0		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Benzo(g,h,i)perylene	110	4.0		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Benzo(k)fluoranthene	140	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Chrysene	140	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Dibenz(a,h)anthracene	27	4.0		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Fluoranthene	300	4.0		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Fluorene	13	4.0		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Indeno(1,2,3-cd)pyrene	100	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Naphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Phenanthrene	150	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Pyrene	230	2.1		ug/Kg-dry	246951	1	08/16/2017 16:07	YH
Surr: 4-Terphenyl-d14	75.5	50.2-121		%REC	246951	1	08/16/2017 16:07	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	26.6	5.47		mg/Kg-dry	246949	1	08/15/2017 19:17	IO
PERCENT MOISTURE D2216								
Percent Moisture	18.3	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-4(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 10:35:00 AM
Lab ID:	1708D32-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,1,2,2-Tetrachloroethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,1,2-Trichloroethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,1-Dichloroethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,1-Dichloroethene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2,4-Trichlorobenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2-Dibromo-3-chloropropane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2-Dibromoethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2-Dichlorobenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2-Dichloroethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,2-Dichloropropane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,3-Dichlorobenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
1,4-Dichlorobenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
2-Butanone	BRL	29		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
2-Hexanone	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
4-Methyl-2-pentanone	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Acetone	BRL	59		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Benzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Bromodichloromethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Bromoform	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Bromomethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Carbon disulfide	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Carbon tetrachloride	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Chlorobenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Chloroethane	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Chloroform	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Chloromethane	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
cis-1,2-Dichloroethene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
cis-1,3-Dichloropropene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Cyclohexane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Dibromochloromethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Dichlorodifluoromethane	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Ethylbenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Freon-113	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Isopropylbenzene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
m,p-Xylene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Methyl acetate	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Methyl tert-butyl ether	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Methylcyclohexane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Methylene chloride	BRL	12		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
o-Xylene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-4(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 10:35:00 AM
Lab ID:	1708D32-008	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Tetrachloroethene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Toluene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
trans-1,2-Dichloroethene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
trans-1,3-Dichloropropene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Trichloroethene	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Trichlorofluoromethane	BRL	2.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Vinyl chloride	BRL	5.9		ug/Kg-dry	247132	1	08/18/2017 20:36	CJ
Surr: 4-Bromofluorobenzene	87.1	63-125		%REC	247132	1	08/18/2017 20:36	CJ
Surr: Dibromofluoromethane	97	69.9-123		%REC	247132	1	08/18/2017 20:36	CJ
Surr: Toluene-d8	95.9	70-122		%REC	247132	1	08/18/2017 20:36	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
2-Methylnaphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Acenaphthene	30	21		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Acenaphthylene	BRL	40		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Anthracene	18	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Benz(a)anthracene	110	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Benzo(a)pyrene	93	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Benzo(b)fluoranthene	250	4.0		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Benzo(g,h,i)perylene	85	4.0		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Benzo(k)fluoranthene	61	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Chrysene	180	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Dibenz(a,h)anthracene	18	4.0		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Fluoranthene	370	40		ug/Kg-dry	246951	10	08/17/2017 12:20	YH
Fluorene	10	4.0		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Indeno(1,2,3-cd)pyrene	91	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Naphthalene	BRL	21		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Phenanthrene	310	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Pyrene	270	2.1		ug/Kg-dry	246951	1	08/16/2017 16:34	YH
Surr: 4-Terphenyl-d14	70.6	50.2-121		%REC	246951	1	08/16/2017 16:34	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	5.87	3.76		mg/Kg-dry	246949	1	08/15/2017 19:21	IO
PERCENT MOISTURE D2216								
Percent Moisture	17.9	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-5(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:30:00 PM
Lab ID:	1708D32-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,1,2,2-Tetrachloroethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,1,2-Trichloroethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,1-Dichloroethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,1-Dichloroethene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2,4-Trichlorobenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2-Dibromo-3-chloropropane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2-Dibromoethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2-Dichlorobenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2-Dichloroethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,2-Dichloropropane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,3-Dichlorobenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
1,4-Dichlorobenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
2-Butanone	BRL	32		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
2-Hexanone	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
4-Methyl-2-pentanone	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Acetone	66	65		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Benzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Bromodichloromethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Bromoform	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Bromomethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Carbon disulfide	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Carbon tetrachloride	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Chlorobenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Chloroethane	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Chloroform	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Chloromethane	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
cis-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
cis-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Cyclohexane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Dibromochloromethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Dichlorodifluoromethane	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Ethylbenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Freon-113	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Isopropylbenzene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
m,p-Xylene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Methyl acetate	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Methyl tert-butyl ether	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Methylcyclohexane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Methylene chloride	BRL	13		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
o-Xylene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-5(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:30:00 PM
Lab ID:	1708D32-009	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Tetrachloroethene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Toluene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
trans-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
trans-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Trichloroethene	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Trichlorofluoromethane	BRL	3.2		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Vinyl chloride	BRL	6.5		ug/Kg-dry	247132	1	08/17/2017 20:58	CJ
Surr: 4-Bromofluorobenzene	80.8	63-125		%REC	247132	1	08/17/2017 20:58	CJ
Surr: Dibromofluoromethane	99	69.9-123		%REC	247132	1	08/17/2017 20:58	CJ
Surr: Toluene-d8	93.6	70-122		%REC	247132	1	08/17/2017 20:58	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	28	19		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
2-Methylnaphthalene	43	19		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Acenaphthene	BRL	19		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Acenaphthylene	57	38		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Anthracene	140	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Benz(a)anthracene	93	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Benzo(a)pyrene	100	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Benzo(b)fluoranthene	280	3.8		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Benzo(g,h,i)perylene	120	3.8		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Benzo(k)fluoranthene	54	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Chrysene	120	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Dibenz(a,h)anthracene	25	3.8		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Fluoranthene	170	3.8		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Fluorene	17	3.8		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Indeno(1,2,3-cd)pyrene	130	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Naphthalene	40	19		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Phenanthrene	77	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Pyrene	160	1.9		ug/Kg-dry	246951	1	08/16/2017 17:00	YH
Surr: 4-Terphenyl-d14	79.5	50.2-121		%REC	246951	1	08/16/2017 17:00	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	31.6	4.76		mg/Kg-dry	246949	1	08/15/2017 19:25	IO
PERCENT MOISTURE D2216								
Percent Moisture	12.4	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-5(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:40:00 PM
Lab ID:	1708D32-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,1,2,2-Tetrachloroethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,1,2-Trichloroethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,1-Dichloroethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,1-Dichloroethene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2,4-Trichlorobenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2-Dibromo-3-chloropropane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2-Dibromoethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2-Dichlorobenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2-Dichloroethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,2-Dichloropropane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,3-Dichlorobenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
1,4-Dichlorobenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
2-Butanone	BRL	1800		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
2-Hexanone	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
4-Methyl-2-pentanone	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Acetone	BRL	3500		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Benzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Bromodichloromethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Bromoform	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Bromomethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Carbon disulfide	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Carbon tetrachloride	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Chlorobenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Chloroethane	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Chloroform	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Chloromethane	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
cis-1,2-Dichloroethene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
cis-1,3-Dichloropropene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Cyclohexane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Dibromochloromethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Dichlorodifluoromethane	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Ethylbenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Freon-113	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Isopropylbenzene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
m,p-Xylene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Methyl acetate	190	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Methyl tert-butyl ether	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Methylcyclohexane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Methylene chloride	BRL	710		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
o-Xylene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-5(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:40:00 PM
Lab ID:	1708D32-010	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Tetrachloroethene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Toluene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
trans-1,2-Dichloroethene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
trans-1,3-Dichloropropene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Trichloroethene	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Trichlorofluoromethane	BRL	180		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Vinyl chloride	BRL	350		ug/Kg-dry	246926	50	08/16/2017 20:42	NP
Surr: 4-Bromofluorobenzene	86.5	63-125		%REC	246926	50	08/16/2017 20:42	NP
Surr: Dibromofluoromethane	88.9	69.9-123		%REC	246926	50	08/16/2017 20:42	NP
Surr: Toluene-d8	94.5	70-122		%REC	246926	50	08/16/2017 20:42	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	59	22		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
2-Methylnaphthalene	92	22		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Acenaphthene	120	22		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Acenaphthylene	410	43		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Anthracene	760	22		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Benz(a)anthracene	340	22		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Benzo(a)pyrene	1400	22		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Benzo(b)fluoranthene	2500	43		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Benzo(g,h,i)perylene	990	43		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Benzo(k)fluoranthene	340	2.2		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Chrysene	1200	22		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Dibenz(a,h)anthracene	200	4.3		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Fluoranthene	650	43		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Fluorene	150	4.3		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Indeno(1,2,3-cd)pyrene	190	2.2		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Naphthalene	140	22		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Phenanthrene	280	2.2		ug/Kg-dry	246951	1	08/16/2017 17:26	YH
Pyrene	600	22		ug/Kg-dry	246951	10	08/17/2017 12:47	YH
Surr: 4-Terphenyl-d14	76.3	50.2-121		%REC	246951	1	08/16/2017 17:26	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	84.8	4.56		mg/Kg-dry	246949	1	08/15/2017 19:39	IO
PERCENT MOISTURE D2216								
Percent Moisture	22.7	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-6(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 2:33:00 PM
Lab ID:	1708D32-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
2-Butanone	BRL	34		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
2-Hexanone	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
4-Methyl-2-pentanone	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Acetone	BRL	68		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Benzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Bromodichloromethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Bromoform	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Bromomethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Carbon disulfide	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Chlorobenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Chloroethane	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Chloroform	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Chloromethane	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Cyclohexane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Dibromochloromethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Dichlorodifluoromethane	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Ethylbenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Freon-113	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Isopropylbenzene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
m,p-Xylene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Methyl acetate	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Methylcyclohexane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Methylene chloride	BRL	14		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
o-Xylene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-6(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 2:33:00 PM
Lab ID:	1708D32-011	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Tetrachloroethene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Toluene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Trichloroethene	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Vinyl chloride	BRL	6.8		ug/Kg-dry	247132	1	08/18/2017 14:41	MD
Surr: 4-Bromofluorobenzene	95.5	63-125		%REC	247132	1	08/18/2017 14:41	MD
Surr: Dibromofluoromethane	108	69.9-123		%REC	247132	1	08/18/2017 14:41	MD
Surr: Toluene-d8	96.7	70-122		%REC	247132	1	08/18/2017 14:41	MD
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
2-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Acenaphthene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Acenaphthylene	BRL	41		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Anthracene	42	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Benz(a)anthracene	44	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Benzo(a)pyrene	37	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Benzo(b)fluoranthene	96	4.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Benzo(g,h,i)perylene	48	4.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Benzo(k)fluoranthene	21	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Chrysene	60	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Dibenz(a,h)anthracene	9.3	4.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Fluoranthene	94	4.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Fluorene	BRL	4.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Indeno(1,2,3-cd)pyrene	42	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Naphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Phenanthrene	45	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Pyrene	91	2.1		ug/Kg-dry	247097	1	08/18/2017 16:37	YH
Surr: 4-Terphenyl-d14	82.5	50.2-121		%REC	247097	1	08/18/2017 16:37	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	12.3	4.48		mg/Kg-dry	246949	1	08/15/2017 19:43	IO
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-6(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 2:35:00 PM
Lab ID:	1708D32-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,1,2,2-Tetrachloroethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,1,2-Trichloroethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,1-Dichloroethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,1-Dichloroethene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2,4-Trichlorobenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2-Dibromo-3-chloropropane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2-Dibromoethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2-Dichloroethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,2-Dichloropropane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,3-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
1,4-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
2-Butanone	BRL	30		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
2-Hexanone	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
4-Methyl-2-pentanone	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Acetone	66	61		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Benzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Bromodichloromethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Bromoform	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Bromomethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Carbon disulfide	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Carbon tetrachloride	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Chlorobenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Chloroethane	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Chloroform	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Chloromethane	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
cis-1,2-Dichloroethene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
cis-1,3-Dichloropropene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Cyclohexane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Dibromochloromethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Dichlorodifluoromethane	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Ethylbenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Freon-113	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Isopropylbenzene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
m,p-Xylene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Methyl acetate	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Methyl tert-butyl ether	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Methylcyclohexane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Methylene chloride	BRL	12		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
o-Xylene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-6(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 2:35:00 PM
Lab ID:	1708D32-012	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Tetrachloroethene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Toluene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
trans-1,2-Dichloroethene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
trans-1,3-Dichloropropene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Trichloroethene	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Trichlorofluoromethane	BRL	3.0		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Vinyl chloride	BRL	6.1		ug/Kg-dry	247132	1	08/17/2017 21:48	CJ
Surr: 4-Bromofluorobenzene	80.8	63-125		%REC	247132	1	08/17/2017 21:48	CJ
Surr: Dibromofluoromethane	101	69.9-123		%REC	247132	1	08/17/2017 21:48	CJ
Surr: Toluene-d8	94.7	70-122		%REC	247132	1	08/17/2017 21:48	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Acenaphthylene	BRL	39		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Anthracene	15	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Benz(a)anthracene	4.8	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Benzo(a)pyrene	6.3	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Benzo(b)fluoranthene	14	3.9		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Benzo(g,h,i)perylene	12	3.9		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Benzo(k)fluoranthene	2.8	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Chrysene	7.6	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Dibenz(a,h)anthracene	BRL	3.9		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Fluoranthene	8.6	3.9		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Fluorene	6.7	3.9		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Indeno(1,2,3-cd)pyrene	8.5	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Phenanthrene	6.6	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Pyrene	8.9	2.0		ug/Kg-dry	246951	1	08/16/2017 17:52	YH
Surr: 4-Terphenyl-d14	86.4	50.2-121		%REC	246951	1	08/16/2017 17:52	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	11.1	4.86		mg/Kg-dry	246949	1	08/15/2017 19:47	IO
PERCENT MOISTURE D2216								
Percent Moisture	14.4	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-7(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 4:55:00 PM
Lab ID:	1708D32-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,1,2,2-Tetrachloroethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,1,2-Trichloroethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,1-Dichloroethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,1-Dichloroethene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2,4-Trichlorobenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2-Dibromo-3-chloropropane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2-Dibromoethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2-Dichloroethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,2-Dichloropropane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,3-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
1,4-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
2-Butanone	BRL	33		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
2-Hexanone	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
4-Methyl-2-pentanone	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Acetone	BRL	66		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Benzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Bromodichloromethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Bromoform	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Bromomethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Carbon disulfide	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Carbon tetrachloride	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Chlorobenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Chloroethane	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Chloroform	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Chloromethane	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
cis-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
cis-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Cyclohexane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Dibromochloromethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Dichlorodifluoromethane	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Ethylbenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Freon-113	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Isopropylbenzene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
m,p-Xylene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Methyl acetate	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Methyl tert-butyl ether	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Methylcyclohexane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Methylene chloride	BRL	13		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
o-Xylene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-7(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 4:55:00 PM
Lab ID:	1708D32-013	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Tetrachloroethene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Toluene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
trans-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
trans-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Trichloroethene	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Trichlorofluoromethane	BRL	3.3		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Vinyl chloride	BRL	6.6		ug/Kg-dry	247132	1	08/17/2017 22:13	CJ
Surr: 4-Bromofluorobenzene	87.2	63-125		%REC	247132	1	08/17/2017 22:13	CJ
Surr: Dibromofluoromethane	95.7	69.9-123		%REC	247132	1	08/17/2017 22:13	CJ
Surr: Toluene-d8	97	70-122		%REC	247132	1	08/17/2017 22:13	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Acenaphthylene	BRL	38		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Anthracene	6.7	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Benz(a)anthracene	6.5	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Benzo(a)pyrene	6.0	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Benzo(b)fluoranthene	13	3.8		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Benzo(g,h,i)perylene	5.8	3.8		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Benzo(k)fluoranthene	2.8	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Chrysene	6.6	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Dibenz(a,h)anthracene	BRL	3.8		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Fluoranthene	12	3.8		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Fluorene	BRL	3.8		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Indeno(1,2,3-cd)pyrene	5.3	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Phenanthrene	4.8	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Pyrene	9.5	2.0		ug/Kg-dry	246951	1	08/16/2017 18:18	YH
Surr: 4-Terphenyl-d14	75.2	50.2-121		%REC	246951	1	08/16/2017 18:18	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	BRL	5.40		mg/Kg-dry	246949	1	08/15/2017 19:50	IO
PERCENT MOISTURE D2216								
Percent Moisture	13.1	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-7(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 5:00:00 PM
Lab ID:	1708D32-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,1,2,2-Tetrachloroethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,1,2-Trichloroethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,1-Dichloroethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,1-Dichloroethene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2,4-Trichlorobenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2-Dibromo-3-chloropropane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2-Dibromoethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2-Dichlorobenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2-Dichloroethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,2-Dichloropropane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,3-Dichlorobenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
1,4-Dichlorobenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
2-Butanone	BRL	49		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
2-Hexanone	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
4-Methyl-2-pentanone	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Acetone	BRL	98		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Benzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Bromodichloromethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Bromoform	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Bromomethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Carbon disulfide	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Carbon tetrachloride	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Chlorobenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Chloroethane	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Chloroform	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Chloromethane	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
cis-1,2-Dichloroethene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
cis-1,3-Dichloropropene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Cyclohexane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Dibromochloromethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Dichlorodifluoromethane	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Ethylbenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Freon-113	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Isopropylbenzene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
m,p-Xylene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Methyl acetate	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Methyl tert-butyl ether	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Methylcyclohexane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Methylene chloride	BRL	20		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
o-Xylene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-7(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 5:00:00 PM
Lab ID:	1708D32-014	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Tetrachloroethene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Toluene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
trans-1,2-Dichloroethene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
trans-1,3-Dichloropropene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Trichloroethene	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Trichlorofluoromethane	BRL	4.9		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Vinyl chloride	BRL	9.8		ug/Kg-dry	247132	1	08/18/2017 21:01	CJ
Surr: 4-Bromofluorobenzene	74.3	63-125		%REC	247132	1	08/18/2017 21:01	CJ
Surr: Dibromofluoromethane	101	69.9-123		%REC	247132	1	08/18/2017 21:01	CJ
Surr: Toluene-d8	89.1	70-122		%REC	247132	1	08/18/2017 21:01	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	270	27		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
2-Methylnaphthalene	360	27		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Acenaphthene	300	27		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Acenaphthylene	130	53		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Anthracene	380	27		ug/Kg-dry	246951	10	08/17/2017 13:14	YH
Benz(a)anthracene	480	2.7		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Benzo(a)pyrene	440	2.7		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Benzo(b)fluoranthene	900	53		ug/Kg-dry	246951	10	08/17/2017 13:14	YH
Benzo(g,h,i)perylene	420	5.3		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Benzo(k)fluoranthene	210	2.7		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Chrysene	610	27		ug/Kg-dry	246951	10	08/17/2017 13:14	YH
Dibenz(a,h)anthracene	88	5.3		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Fluoranthene	730	53		ug/Kg-dry	246951	10	08/17/2017 13:14	YH
Fluorene	430	5.3		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Indeno(1,2,3-cd)pyrene	370	2.7		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Naphthalene	210	27		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Phenanthrene	520	2.7		ug/Kg-dry	246951	1	08/16/2017 18:44	YH
Pyrene	880	27		ug/Kg-dry	246951	10	08/17/2017 13:14	YH
Surr: 4-Terphenyl-d14	68.2	50.2-121		%REC	246951	1	08/16/2017 18:44	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	379	7.73		mg/Kg-dry	246949	1	08/15/2017 19:54	IO
PERCENT MOISTURE D2216								
Percent Moisture	37.8	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-8(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 11:55:00 AM
Lab ID:	1708D32-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,1,2,2-Tetrachloroethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,1,2-Trichloroethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,1-Dichloroethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,1-Dichloroethene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2,4-Trichlorobenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2-Dibromo-3-chloropropane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2-Dibromoethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2-Dichloroethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,2-Dichloropropane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,3-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
1,4-Dichlorobenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
2-Butanone	BRL	30		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
2-Hexanone	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
4-Methyl-2-pentanone	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Acetone	BRL	59		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Benzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Bromodichloromethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Bromoform	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Bromomethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Carbon disulfide	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Carbon tetrachloride	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Chlorobenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Chloroethane	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Chloroform	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Chloromethane	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
cis-1,2-Dichloroethene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
cis-1,3-Dichloropropene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Cyclohexane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Dibromochloromethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Dichlorodifluoromethane	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Ethylbenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Freon-113	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Isopropylbenzene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
m,p-Xylene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Methyl acetate	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Methyl tert-butyl ether	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Methylcyclohexane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Methylene chloride	BRL	12		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
o-Xylene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-8(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 11:55:00 AM
Lab ID:	1708D32-015	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Tetrachloroethene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Toluene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
trans-1,2-Dichloroethene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
trans-1,3-Dichloropropene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Trichloroethene	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Trichlorofluoromethane	BRL	3.0		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Vinyl chloride	BRL	5.9		ug/Kg-dry	247229	1	08/19/2017 00:18	CJ
Surr: 4-Bromofluorobenzene	87.3	63-125		%REC	247229	1	08/19/2017 00:18	CJ
Surr: Dibromofluoromethane	93.4	69.9-123		%REC	247229	1	08/19/2017 00:18	CJ
Surr: Toluene-d8	94.1	70-122		%REC	247229	1	08/19/2017 00:18	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Acenaphthylene	BRL	39		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Anthracene	6.7	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Benz(a)anthracene	8.8	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Benzo(a)pyrene	11	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Benzo(b)fluoranthene	36	3.9		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Benzo(g,h,i)perylene	11	3.9		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Benzo(k)fluoranthene	6.7	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Chrysene	20	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Dibenz(a,h)anthracene	BRL	3.9		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Fluoranthene	13	3.9		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Fluorene	BRL	3.9		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Indeno(1,2,3-cd)pyrene	8.2	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Phenanthrene	3.8	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Pyrene	14	2.0		ug/Kg-dry	246951	1	08/16/2017 19:10	YH
Surr: 4-Terphenyl-d14	79.8	50.2-121		%REC	246951	1	08/16/2017 19:10	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	5.82	5.05		mg/Kg-dry	246950	1	08/16/2017 12:06	JR
PERCENT MOISTURE D2216								
Percent Moisture	15.1	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-8(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:00:00 PM
Lab ID:	1708D32-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
2-Butanone	BRL	34		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
2-Hexanone	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
4-Methyl-2-pentanone	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Acetone	BRL	69		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Benzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Bromodichloromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Bromoform	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Bromomethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Carbon disulfide	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Chlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Chloroethane	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Chloroform	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Chloromethane	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Cyclohexane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Dibromochloromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Dichlorodifluoromethane	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Ethylbenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Freon-113	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Isopropylbenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
m,p-Xylene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Methyl acetate	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Methylcyclohexane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Methylene chloride	BRL	14		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
o-Xylene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-8(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 12:00:00 PM
Lab ID:	1708D32-016	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Tetrachloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Toluene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Trichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Vinyl chloride	BRL	6.9		ug/Kg-dry	247229	1	08/18/2017 23:54	CJ
Surr: 4-Bromofluorobenzene	90.2	63-125		%REC	247229	1	08/18/2017 23:54	CJ
Surr: Dibromofluoromethane	95.2	69.9-123		%REC	247229	1	08/18/2017 23:54	CJ
Surr: Toluene-d8	98.8	70-122		%REC	247229	1	08/18/2017 23:54	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Acenaphthylene	BRL	39		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Anthracene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Benz(a)anthracene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Benzo(a)pyrene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Benzo(b)fluoranthene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Benzo(g,h,i)perylene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Benzo(k)fluoranthene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Chrysene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Dibenz(a,h)anthracene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Fluoranthene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Fluorene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Indeno(1,2,3-cd)pyrene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Phenanthrene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Pyrene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:06	YH
Surr: 4-Terphenyl-d14	78.2	50.2-121		%REC	246951	1	08/17/2017 14:06	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	6.86	5.11		mg/Kg-dry	246950	1	08/16/2017 12:33	JR
PERCENT MOISTURE D2216								
Percent Moisture	15.9	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-9(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 3:15:00 PM
Lab ID:	1708D32-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,1,2,2-Tetrachloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,1,2-Trichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,1-Dichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,1-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2,4-Trichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2-Dibromo-3-chloropropane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2-Dibromoethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2-Dichloroethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,2-Dichloropropane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,3-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
1,4-Dichlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
2-Butanone	BRL	34		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
2-Hexanone	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
4-Methyl-2-pentanone	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Acetone	BRL	68		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Benzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Bromodichloromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Bromoform	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Bromomethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Carbon disulfide	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Carbon tetrachloride	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Chlorobenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Chloroethane	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Chloroform	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Chloromethane	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
cis-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
cis-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Cyclohexane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Dibromochloromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Dichlorodifluoromethane	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Ethylbenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Freon-113	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Isopropylbenzene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
m,p-Xylene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Methyl acetate	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Methyl tert-butyl ether	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Methylcyclohexane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Methylene chloride	BRL	14		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
o-Xylene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-9(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 3:15:00 PM
Lab ID:	1708D32-017	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Tetrachloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Toluene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
trans-1,2-Dichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
trans-1,3-Dichloropropene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Trichloroethene	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Trichlorofluoromethane	BRL	3.4		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Vinyl chloride	BRL	6.8		ug/Kg-dry	247229	1	08/18/2017 23:29	CJ
Surr: 4-Bromofluorobenzene	85	63-125		%REC	247229	1	08/18/2017 23:29	CJ
Surr: Dibromofluoromethane	99.2	69.9-123		%REC	247229	1	08/18/2017 23:29	CJ
Surr: Toluene-d8	96.8	70-122		%REC	247229	1	08/18/2017 23:29	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Acenaphthene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Acenaphthylene	BRL	39		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Anthracene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Benz(a)anthracene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Benzo(a)pyrene	2.6	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Benzo(b)fluoranthene	7.2	3.9		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Benzo(g,h,i)perylene	4.5	3.9		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Benzo(k)fluoranthene	BRL	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Chrysene	3.3	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Dibenz(a,h)anthracene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Fluoranthene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Fluorene	BRL	3.9		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Indeno(1,2,3-cd)pyrene	3.7	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Naphthalene	BRL	20		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Phenanthrene	2.3	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Pyrene	4.2	2.0		ug/Kg-dry	246951	1	08/17/2017 14:33	YH
Surr: 4-Terphenyl-d14	76.9	50.2-121		%REC	246951	1	08/17/2017 14:33	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	8.17	5.66		mg/Kg-dry	246950	1	08/16/2017 12:36	JR
PERCENT MOISTURE D2216								
Percent Moisture	15.9	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-10(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 7:45:00 AM
Lab ID:	1708D32-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,1,2,2-Tetrachloroethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,1,2-Trichloroethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,1-Dichloroethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,1-Dichloroethene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2,4-Trichlorobenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2-Dibromo-3-chloropropane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2-Dibromoethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2-Dichlorobenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2-Dichloroethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,2-Dichloropropane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,3-Dichlorobenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
1,4-Dichlorobenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
2-Butanone	BRL	39		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
2-Hexanone	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
4-Methyl-2-pentanone	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Acetone	BRL	78		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Benzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Bromodichloromethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Bromoform	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Bromomethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Carbon disulfide	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Carbon tetrachloride	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Chlorobenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Chloroethane	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Chloroform	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Chloromethane	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
cis-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
cis-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Cyclohexane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Dibromochloromethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Dichlorodifluoromethane	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Ethylbenzene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Freon-113	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Isopropylbenzene	8.8	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
m,p-Xylene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Methyl acetate	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Methyl tert-butyl ether	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Methylcyclohexane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Methylene chloride	BRL	16		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
o-Xylene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-10(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 7:45:00 AM
Lab ID:	1708D32-018	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Tetrachloroethene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Toluene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
trans-1,2-Dichloroethene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
trans-1,3-Dichloropropene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Trichloroethene	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Trichlorofluoromethane	BRL	3.9		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Vinyl chloride	BRL	7.8		ug/Kg-dry	247229	1	08/18/2017 23:05	CJ
Surr: 4-Bromofluorobenzene	89	63-125		%REC	247229	1	08/18/2017 23:05	CJ
Surr: Dibromofluoromethane	96.3	69.9-123		%REC	247229	1	08/18/2017 23:05	CJ
Surr: Toluene-d8	95.4	70-122		%REC	247229	1	08/18/2017 23:05	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	250	21		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
2-Methylnaphthalene	400	21		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Acenaphthene	220	21		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Acenaphthylene	BRL	41		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Anthracene	31	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Benz(a)anthracene	33	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Benzo(a)pyrene	38	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Benzo(b)fluoranthene	68	4.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Benzo(g,h,i)perylene	44	4.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Benzo(k)fluoranthene	20	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Chrysene	39	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Dibenz(a,h)anthracene	11	4.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Fluoranthene	65	4.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Fluorene	28	4.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Indeno(1,2,3-cd)pyrene	41	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Naphthalene	98	21		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Phenanthrene	33	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Pyrene	55	2.1		ug/Kg-dry	246951	1	08/17/2017 14:59	YH
Surr: 4-Terphenyl-d14	77.4	50.2-121		%REC	246951	1	08/17/2017 14:59	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	17.0	4.26		mg/Kg-dry	246950	1	08/16/2017 12:39	JR
PERCENT MOISTURE D2216								
Percent Moisture	19.5	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-10(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 7:48:00 AM
Lab ID:	1708D32-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,1,2,2-Tetrachloroethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,1,2-Trichloroethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,1-Dichloroethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,1-Dichloroethene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2,4-Trichlorobenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2-Dibromo-3-chloropropane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2-Dibromoethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2-Dichlorobenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2-Dichloroethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,2-Dichloropropane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,3-Dichlorobenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
1,4-Dichlorobenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
2-Butanone	BRL	42		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
2-Hexanone	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
4-Methyl-2-pentanone	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Acetone	93	84		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Benzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Bromodichloromethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Bromoform	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Bromomethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Carbon disulfide	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Carbon tetrachloride	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Chlorobenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Chloroethane	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Chloroform	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Chloromethane	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
cis-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
cis-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Cyclohexane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Dibromochloromethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Dichlorodifluoromethane	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Ethylbenzene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Freon-113	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Isopropylbenzene	270	210		ug/Kg-dry	247143	50	08/21/2017 11:29	NP
m,p-Xylene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Methyl acetate	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Methyl tert-butyl ether	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Methylcyclohexane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Methylene chloride	BRL	17		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
o-Xylene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-10(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 7:48:00 AM
Lab ID:	1708D32-019	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Tetrachloroethene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Toluene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
trans-1,2-Dichloroethene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
trans-1,3-Dichloropropene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Trichloroethene	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Trichlorofluoromethane	BRL	4.2		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Vinyl chloride	BRL	8.4		ug/Kg-dry	246926	1	08/19/2017 01:55	CJ
Surr: 4-Bromofluorobenzene	87.7	63-125		%REC	247143	50	08/21/2017 11:29	NP
Surr: 4-Bromofluorobenzene	86	63-125		%REC	246926	1	08/19/2017 01:55	CJ
Surr: Dibromofluoromethane	105	69.9-123		%REC	247143	50	08/21/2017 11:29	NP
Surr: Dibromofluoromethane	107	69.9-123		%REC	246926	1	08/19/2017 01:55	CJ
Surr: Toluene-d8	86.8	70-122		%REC	247143	50	08/21/2017 11:29	NP
Surr: Toluene-d8	89.6	70-122		%REC	246926	1	08/19/2017 01:55	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	21000	2400		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
2-Methylnaphthalene	35000	2400		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Acenaphthene	64000	24000		ug/Kg-dry	246951	10000	08/17/2017 16:44	YH
Acenaphthylene	800	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Anthracene	13000	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Benz(a)anthracene	9700	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Benzo(a)pyrene	2300	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Benzo(b)fluoranthene	4500	460		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Benzo(g,h,i)perylene	820	460		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Benzo(k)fluoranthene	1600	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Chrysene	7700	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Dibenz(a,h)anthracene	220	4.6		ug/Kg-dry	246951	1	08/17/2017 13:40	YH
Fluoranthene	72000	46000		ug/Kg-dry	246951	10000	08/17/2017 16:44	YH
Fluorene	50000	46000		ug/Kg-dry	246951	10000	08/17/2017 16:44	YH
Indeno(1,2,3-cd)pyrene	800	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Naphthalene	5200	2400		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Phenanthrene	120000	24000		ug/Kg-dry	246951	10000	08/17/2017 16:44	YH
Pyrene	40000	240		ug/Kg-dry	246951	100	08/17/2017 16:19	YH
Surr: 4-Terphenyl-d14	114	50.2-121		%REC	246951	1	08/17/2017 13:40	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	70.3	4.17		mg/Kg-dry	246950	1	08/16/2017 12:42	JR
PERCENT MOISTURE D2216								
Percent Moisture	27.9	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-9(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 3:20:00 PM
Lab ID:	1708D32-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,1,2,2-Tetrachloroethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,1,2-Trichloroethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,1-Dichloroethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,1-Dichloroethene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2,4-Trichlorobenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2-Dibromo-3-chloropropane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2-Dibromoethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2-Dichlorobenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2-Dichloroethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,2-Dichloropropane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,3-Dichlorobenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
1,4-Dichlorobenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
2-Butanone	BRL	57		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
2-Hexanone	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
4-Methyl-2-pentanone	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Acetone	250	110		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Benzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Bromodichloromethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Bromoform	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Bromomethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Carbon disulfide	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Carbon tetrachloride	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Chlorobenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Chloroethane	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Chloroform	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Chloromethane	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
cis-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
cis-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Cyclohexane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Dibromochloromethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Dichlorodifluoromethane	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Ethylbenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Freon-113	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Isopropylbenzene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
m,p-Xylene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Methyl acetate	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Methyl tert-butyl ether	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Methylcyclohexane	6.7	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Methylene chloride	BRL	23		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
o-Xylene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-9(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 3:20:00 PM
Lab ID:	1708D32-020	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Tetrachloroethene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Toluene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
trans-1,2-Dichloroethene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
trans-1,3-Dichloropropene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Trichloroethene	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Trichlorofluoromethane	BRL	5.7		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Vinyl chloride	BRL	11		ug/Kg-dry	247229	1	08/19/2017 01:07	CJ
Surr: 4-Bromofluorobenzene	69.9	63-125		%REC	247229	1	08/19/2017 01:07	CJ
Surr: Dibromofluoromethane	115	69.9-123		%REC	247229	1	08/19/2017 01:07	CJ
Surr: Toluene-d8	76.5	70-122		%REC	247229	1	08/19/2017 01:07	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	140	30		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
2-Methylnaphthalene	200	30		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Acenaphthene	300	30		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Acenaphthylene	BRL	57		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Anthracene	200	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Benz(a)anthracene	210	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Benzo(a)pyrene	180	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Benzo(b)fluoranthene	470	5.7		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Benzo(g,h,i)perylene	200	5.7		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Benzo(k)fluoranthene	100	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Chrysene	310	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Dibenz(a,h)anthracene	35	5.7		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Fluoranthene	370	5.7		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Fluorene	360	5.7		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Indeno(1,2,3-cd)pyrene	160	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Naphthalene	120	30		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Phenanthrene	230	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Pyrene	530	3.0		ug/Kg-dry	247097	1	08/18/2017 17:03	YH
Surr: 4-Terphenyl-d14	76.1	50.2-121		%REC	247097	1	08/18/2017 17:03	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	193	6.99		mg/Kg-dry	246950	1	08/16/2017 13:15	JR
PERCENT MOISTURE D2216								
Percent Moisture	42.5	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-11(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 8:59:00 AM
Lab ID:	1708D32-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,1,2,2-Tetrachloroethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,1,2-Trichloroethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,1-Dichloroethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,1-Dichloroethene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2,4-Trichlorobenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2-Dibromo-3-chloropropane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2-Dibromoethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2-Dichloroethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,2-Dichloropropane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,3-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
1,4-Dichlorobenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
2-Butanone	BRL	33		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
2-Hexanone	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
4-Methyl-2-pentanone	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Acetone	BRL	67		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Benzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Bromodichloromethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Bromoform	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Bromomethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Carbon disulfide	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Carbon tetrachloride	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Chlorobenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Chloroethane	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Chloroform	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Chloromethane	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
cis-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
cis-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Cyclohexane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Dibromochloromethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Dichlorodifluoromethane	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Ethylbenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Freon-113	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Isopropylbenzene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
m,p-Xylene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Methyl acetate	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Methyl tert-butyl ether	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Methylcyclohexane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Methylene chloride	BRL	13		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
o-Xylene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-11(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 8:59:00 AM
Lab ID:	1708D32-021	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Tetrachloroethene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Toluene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
trans-1,2-Dichloroethene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
trans-1,3-Dichloropropene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Trichloroethene	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Trichlorofluoromethane	BRL	3.3		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Vinyl chloride	BRL	6.7		ug/Kg-dry	247229	1	08/18/2017 22:40	CJ
Surr: 4-Bromofluorobenzene	87.7	63-125		%REC	247229	1	08/18/2017 22:40	CJ
Surr: Dibromofluoromethane	96	69.9-123		%REC	247229	1	08/18/2017 22:40	CJ
Surr: Toluene-d8	94.2	70-122		%REC	247229	1	08/18/2017 22:40	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
2-Methylnaphthalene	24	20		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Acenaphthene	55	20		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Acenaphthylene	BRL	38		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Anthracene	93	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Benz(a)anthracene	78	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Benzo(a)pyrene	54	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Benzo(b)fluoranthene	140	3.8		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Benzo(g,h,i)perylene	78	3.8		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Benzo(k)fluoranthene	32	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Chrysene	76	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Dibenz(a,h)anthracene	19	3.8		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Fluoranthene	300	3.8		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Fluorene	110	3.8		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Indeno(1,2,3-cd)pyrene	69	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Naphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Phenanthrene	400	20		ug/Kg-dry	247097	10	08/21/2017 12:56	YH
Pyrene	220	2.0		ug/Kg-dry	247097	1	08/18/2017 17:56	YH
Surr: 4-Terphenyl-d14	80.3	50.2-121		%REC	247097	1	08/18/2017 17:56	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	26.5	3.62		mg/Kg-dry	246950	1	08/16/2017 13:18	JR
PERCENT MOISTURE D2216								
Percent Moisture	13.5	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-11(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:04:00 AM
Lab ID:	1708D32-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,1,2,2-Tetrachloroethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,1,2-Trichloroethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,1-Dichloroethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,1-Dichloroethene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2,4-Trichlorobenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2-Dibromo-3-chloropropane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2-Dibromoethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2-Dichlorobenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2-Dichloroethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,2-Dichloropropane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,3-Dichlorobenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
1,4-Dichlorobenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
2-Butanone	72	40		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
2-Hexanone	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
4-Methyl-2-pentanone	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Acetone	370	80	E	ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Benzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Bromodichloromethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Bromoform	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Bromomethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Carbon disulfide	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Carbon tetrachloride	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Chlorobenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Chloroethane	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Chloroform	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Chloromethane	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
cis-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
cis-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Cyclohexane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Dibromochloromethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Dichlorodifluoromethane	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Ethylbenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Freon-113	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Isopropylbenzene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
m,p-Xylene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Methyl acetate	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Methyl tert-butyl ether	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Methylcyclohexane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Methylene chloride	BRL	16		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
o-Xylene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-11(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 9:04:00 AM
Lab ID:	1708D32-022	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Tetrachloroethene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Toluene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
trans-1,2-Dichloroethene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
trans-1,3-Dichloropropene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Trichloroethene	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Trichlorofluoromethane	BRL	4.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Vinyl chloride	BRL	8.0		ug/Kg-dry	247229	1	08/21/2017 11:22	MD
Surr: 4-Bromofluorobenzene	62.5	63-125	S	%REC	247229	1	08/21/2017 11:22	MD
Surr: Dibromofluoromethane	124	69.9-123	S	%REC	247229	1	08/21/2017 11:22	MD
Surr: Toluene-d8	74.4	70-122		%REC	247229	1	08/21/2017 11:22	MD
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	36	23		ug/Kg-dry	247097	1	08/18/2017 18:22	YH
2-Methylnaphthalene	98	23		ug/Kg-dry	247097	1	08/18/2017 18:22	YH
Acenaphthene	BRL	2300		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Acenaphthylene	BRL	4500		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Anthracene	8900	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Benz(a)anthracene	6100	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Benzo(a)pyrene	2100	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Benzo(b)fluoranthene	5900	450		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Benzo(g,h,i)perylene	1200	450		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Benzo(k)fluoranthene	1700	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Chrysene	6900	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Dibenz(a,h)anthracene	320	4.5		ug/Kg-dry	247097	1	08/18/2017 18:22	YH
Fluoranthene	4900	450		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Fluorene	1800	450		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Indeno(1,2,3-cd)pyrene	250	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Naphthalene	61	23		ug/Kg-dry	247097	1	08/18/2017 18:22	YH
Phenanthrene	2800	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Pyrene	8700	230		ug/Kg-dry	247097	100	08/21/2017 13:23	YH
Surr: 4-Terphenyl-d14	51.5	50.2-121		%REC	247097	1	08/18/2017 18:22	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	97.7	4.55		mg/Kg-dry	246950	1	08/16/2017 13:22	JR
PERCENT MOISTURE D2216								
Percent Moisture	26.6	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-12(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 10:10:00 AM
Lab ID:	1708D32-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,1,2,2-Tetrachloroethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,1,2-Trichloroethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,1-Dichloroethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,1-Dichloroethene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2,4-Trichlorobenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2-Dibromo-3-chloropropane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2-Dibromoethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2-Dichlorobenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2-Dichloroethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,2-Dichloropropane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,3-Dichlorobenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
1,4-Dichlorobenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
2-Butanone	BRL	37		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
2-Hexanone	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
4-Methyl-2-pentanone	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Acetone	BRL	75		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Benzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Bromodichloromethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Bromoform	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Bromomethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Carbon disulfide	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Carbon tetrachloride	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Chlorobenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Chloroethane	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Chloroform	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Chloromethane	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
cis-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
cis-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Cyclohexane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Dibromochloromethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Dichlorodifluoromethane	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Ethylbenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Freon-113	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Isopropylbenzene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
m,p-Xylene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Methyl acetate	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Methyl tert-butyl ether	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Methylcyclohexane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Methylene chloride	BRL	15		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
o-Xylene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-12(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 10:10:00 AM
Lab ID:	1708D32-023	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Tetrachloroethene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Toluene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
trans-1,2-Dichloroethene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
trans-1,3-Dichloropropene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Trichloroethene	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Trichlorofluoromethane	BRL	3.7		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Vinyl chloride	BRL	7.5		ug/Kg-dry	247229	1	08/18/2017 21:51	CJ
Surr: 4-Bromofluorobenzene	92.4	63-125		%REC	247229	1	08/18/2017 21:51	CJ
Surr: Dibromofluoromethane	98.9	69.9-123		%REC	247229	1	08/18/2017 21:51	CJ
Surr: Toluene-d8	96.3	70-122		%REC	247229	1	08/18/2017 21:51	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
2-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Acenaphthene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Acenaphthylene	BRL	41		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Anthracene	6.9	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Benz(a)anthracene	6.4	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Benzo(a)pyrene	5.5	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Benzo(b)fluoranthene	16	4.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Benzo(g,h,i)perylene	6.4	4.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Benzo(k)fluoranthene	3.5	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Chrysene	8.1	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Dibenz(a,h)anthracene	BRL	4.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Fluoranthene	10	4.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Fluorene	6.4	4.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Indeno(1,2,3-cd)pyrene	5.3	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Naphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Phenanthrene	5.2	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Pyrene	12	2.1		ug/Kg-dry	247097	1	08/18/2017 18:48	YH
Surr: 4-Terphenyl-d14	80.7	50.2-121		%REC	247097	1	08/18/2017 18:48	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	7.99	5.37		mg/Kg-dry	246950	1	08/16/2017 13:40	JR
PERCENT MOISTURE D2216								
Percent Moisture	18.7	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-12(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 10:15:00 AM
Lab ID:	1708D32-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,1,2,2-Tetrachloroethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,1,2-Trichloroethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,1-Dichloroethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,1-Dichloroethene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2,4-Trichlorobenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2-Dibromo-3-chloropropane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2-Dibromoethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2-Dichlorobenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2-Dichloroethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,2-Dichloropropane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,3-Dichlorobenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
1,4-Dichlorobenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
2-Butanone	BRL	36		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
2-Hexanone	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
4-Methyl-2-pentanone	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Acetone	BRL	71		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Benzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Bromodichloromethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Bromoform	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Bromomethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Carbon disulfide	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Carbon tetrachloride	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Chlorobenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Chloroethane	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Chloroform	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Chloromethane	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
cis-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
cis-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Cyclohexane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Dibromochloromethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Dichlorodifluoromethane	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Ethylbenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Freon-113	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Isopropylbenzene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
m,p-Xylene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Methyl acetate	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Methyl tert-butyl ether	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Methylcyclohexane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Methylene chloride	BRL	14		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
o-Xylene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-12(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/9/2017 10:15:00 AM
Lab ID:	1708D32-024	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Tetrachloroethene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Toluene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
trans-1,2-Dichloroethene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
trans-1,3-Dichloropropene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Trichloroethene	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Trichlorofluoromethane	BRL	3.6		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Vinyl chloride	BRL	7.1		ug/Kg-dry	247229	1	08/18/2017 21:26	CJ
Surr: 4-Bromofluorobenzene	71.4	63-125		%REC	247229	1	08/18/2017 21:26	CJ
Surr: Dibromofluoromethane	108	69.9-123		%REC	247229	1	08/18/2017 21:26	CJ
Surr: Toluene-d8	90	70-122		%REC	247229	1	08/18/2017 21:26	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
2-Methylnaphthalene	28	20		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Acenaphthene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Acenaphthylene	BRL	38		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Anthracene	45	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Benz(a)anthracene	51	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Benzo(a)pyrene	60	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Benzo(b)fluoranthene	150	3.8		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Benzo(g,h,i)perylene	58	3.8		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Benzo(k)fluoranthene	28	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Chrysene	67	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Dibenz(a,h)anthracene	13	3.8		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Fluoranthene	77	3.8		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Fluorene	12	3.8		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Indeno(1,2,3-cd)pyrene	54	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Naphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Phenanthrene	39	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Pyrene	81	2.0		ug/Kg-dry	247097	1	08/18/2017 19:13	YH
Surr: 4-Terphenyl-d14	72.9	50.2-121		%REC	247097	1	08/18/2017 19:13	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	46.1	4.81		mg/Kg-dry	246950	1	08/16/2017 13:43	JR
PERCENT MOISTURE D2216								
Percent Moisture	14.0	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-13(0-2)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 1:55:00 PM
Lab ID:	1708D32-025	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Acenaphthene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Acenaphthylene	BRL	38		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Anthracene	51	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Benz(a)anthracene	130	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Benzo(a)pyrene	110	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Benzo(b)fluoranthene	230	3.8		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Benzo(g,h,i)perylene	83	3.8		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Benzo(k)fluoranthene	63	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Chrysene	120	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Dibenz(a,h)anthracene	23	3.8		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Fluoranthene	260	3.8		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Fluorene	16	3.8		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Indeno(1,2,3-cd)pyrene	15	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Naphthalene	BRL	20		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Phenanthrene	120	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Pyrene	230	2.0		ug/Kg-dry	247097	1	08/18/2017 19:40	YH
Surr: 4-Terphenyl-d14	67.1	50.2-121		%REC	247097	1	08/18/2017 19:40	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	17.3	4.52		mg/Kg-dry	246950	1	08/16/2017 13:46	JR
PERCENT MOISTURE D2216								
Percent Moisture	13.5	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 22-Aug-17

Client:	AECOM	**Client Sample ID:**	LOTT SB-13(2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	8/10/2017 2:00:00 PM
Lab ID:	1708D32-026	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
2-Methylnaphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Acenaphthene	32	21		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Acenaphthylene	BRL	41		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Anthracene	36	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Benz(a)anthracene	160	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Benzo(a)pyrene	120	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Benzo(b)fluoranthene	220	4.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Benzo(g,h,i)perylene	89	4.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Benzo(k)fluoranthene	58	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Chrysene	140	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Dibenz(a,h)anthracene	24	4.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Fluoranthene	310	4.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Fluorene	17	4.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Indeno(1,2,3-cd)pyrene	15	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Naphthalene	BRL	21		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Phenanthrene	130	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Pyrene	270	2.1		ug/Kg-dry	247097	1	08/18/2017 20:06	YH
Surr: 4-Terphenyl-d14	70.7	50.2-121		%REC	247097	1	08/18/2017 20:06	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	39.8	6.07		mg/Kg-dry	246950	1	08/16/2017 13:50	JR
PERCENT MOISTURE D2216								
Percent Moisture	18.8	0		wt%	R350150	1	08/18/2017 17:00	AK

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK-1
Project Name:	GDOT - Walker Street	**Collection Date:**	8/12/2017
Lab ID:	1708D32-027	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,1-Dichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,1-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2-Dibromoethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2-Dichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,2-Dichloropropane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
2-Butanone	BRL	50		ug/L	246922	1	08/15/2017 12:29	NP
2-Hexanone	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
4-Methyl-2-pentanone	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
Acetone	BRL	50		ug/L	246922	1	08/15/2017 12:29	NP
Benzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Bromodichloromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Bromoform	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Bromomethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Carbon disulfide	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Carbon tetrachloride	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Chlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Chloroethane	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
Chloroform	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Chloromethane	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Cyclohexane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Dibromochloromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Dichlorodifluoromethane	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
Ethylbenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Freon-113	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
Isopropylbenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
m,p-Xylene	BRL	10		ug/L	246922	1	08/15/2017 12:29	NP
Methyl acetate	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Methylcyclohexane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Methylene chloride	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
o-Xylene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK-1
Project Name:	GDOT - Walker Street	**Collection Date:**	8/12/2017
Lab ID:	1708D32-027	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Tetrachloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Toluene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Trichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Trichlorofluoromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:29	NP
Vinyl chloride	BRL	2.0		ug/L	246922	1	08/15/2017 12:29	NP
Surr: 4-Bromofluorobenzene	88.8	66.1-129		%REC	246922	1	08/15/2017 12:29	NP
Surr: Dibromofluoromethane	98.5	83.6-123		%REC	246922	1	08/15/2017 12:29	NP
Surr: Toluene-d8	99.3	81.8-118		%REC	246922	1	08/15/2017 12:29	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK-2
Project Name:	GDOT - Walker Street	**Collection Date:**	8/12/2017
Lab ID:	1708D32-028	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,1-Dichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,1-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2-Dibromoethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2-Dichloroethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,2-Dichloropropane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
2-Butanone	BRL	50		ug/L	246922	1	08/15/2017 12:55	NP
2-Hexanone	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
4-Methyl-2-pentanone	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
Acetone	BRL	50		ug/L	246922	1	08/15/2017 12:55	NP
Benzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Bromodichloromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Bromoform	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Bromomethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Carbon disulfide	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Carbon tetrachloride	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Chlorobenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Chloroethane	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
Chloroform	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Chloromethane	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Cyclohexane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Dibromochloromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Dichlorodifluoromethane	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
Ethylbenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Freon-113	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
Isopropylbenzene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
m,p-Xylene	BRL	10		ug/L	246922	1	08/15/2017 12:55	NP
Methyl acetate	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Methylcyclohexane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Methylene chloride	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
o-Xylene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 22-Aug-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK-2
Project Name:	GDOT - Walker Street	**Collection Date:**	8/12/2017
Lab ID:	1708D32-028	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Tetrachloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Toluene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Trichloroethene	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Trichlorofluoromethane	BRL	5.0		ug/L	246922	1	08/15/2017 12:55	NP
Vinyl chloride	BRL	2.0		ug/L	246922	1	08/15/2017 12:55	NP
Surr: 4-Bromofluorobenzene	85.8	66.1-129		%REC	246922	1	08/15/2017 12:55	NP
Surr: Dibromofluoromethane	99.4	83.6-123		%REC	246922	1	08/15/2017 12:55	NP
Surr: Toluene-d8	99.2	81.8-118		%REC	246922	1	08/15/2017 12:55	NP

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-1(0-2)				**Lab ID:** 1708D32-001			
Collection Date: 8/10/2017 1:18:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	68		3.1	62	ug/Kg-dry	246893	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	14		0.42	1.9	ug/Kg-dry	246951	1
Benz(a)anthracene	5.1		1.2	1.9	ug/Kg-dry	246951	1
Benzo(a)pyrene	11		0.43	1.9	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	36		1.1	3.8	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	17		1.4	3.8	ug/Kg-dry	246951	1
Chrysene	11		1.7	1.9	ug/Kg-dry	246951	1
Fluoranthene	8.9		1.2	3.8	ug/Kg-dry	246951	1
Fluorene	4.5		0.56	3.8	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	16		1.2	1.9	ug/Kg-dry	246951	1
Phenanthrene	7.5		0.66	1.9	ug/Kg-dry	246951	1
Pyrene	7.9		1.5	1.9	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	5.09		0.0585	4.33	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	12.3		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-1(2-4)				**Lab ID:** 1708D32-002			
Collection Date: 8/10/2017 1:22:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	75		3.5	69	ug/Kg-dry	246893	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Acenaphthene	88		0.74	22	ug/Kg-dry	246951	1
Acenaphthylene	79		0.35	42	ug/Kg-dry	246951	1
Anthracene	270		0.47	2.2	ug/Kg-dry	246951	1
Benz(a)anthracene	540		13	22	ug/Kg-dry	246951	10
Benzo(a)pyrene	390		4.7	22	ug/Kg-dry	246951	10
Benzo(b)fluoranthene	790		12	42	ug/Kg-dry	246951	10
Benzo(g,h,i)perylene	270		1.5	4.2	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	300		1.8	2.2	ug/Kg-dry	246951	1
Chrysene	930		19	22	ug/Kg-dry	246951	10
Dibenz(a,h)anthracene	60		1.0	4.2	ug/Kg-dry	246951	1
Fluoranthene	390		14	42	ug/Kg-dry	246951	10
Fluorene	100		0.63	4.2	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	300		1.4	2.2	ug/Kg-dry	246951	1
Phenanthrene	360		0.74	2.2	ug/Kg-dry	246951	1
Pyrene	730		16	22	ug/Kg-dry	246951	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	37.3		0.0746	5.52	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	21.0		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-2(0-2)				**Lab ID:** 1708D32-003			
Collection Date: 8/10/2017 9:45:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-2(0-2)				**Lab ID:** 1708D32-003			
Collection Date: 8/10/2017 9:45:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	120		3.7	73	ug/Kg-dry	246893	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Acenaphthylene	100		0.33	39	ug/Kg-dry	246951	1
Anthracene	270		0.44	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	130		1.3	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	210		0.45	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	390		1.1	3.9	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	320		1.4	3.9	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	59		1.7	2.0	ug/Kg-dry	246951	1
Chrysene	140		1.8	2.0	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	53		0.97	3.9	ug/Kg-dry	246951	1
Fluoranthene	260		1.3	3.9	ug/Kg-dry	246951	1
Fluorene	36		0.59	3.9	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	330		1.3	2.0	ug/Kg-dry	246951	1
Phenanthrene	100		0.70	2.0	ug/Kg-dry	246951	1
Pyrene	220		1.5	2.0	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	51.7		0.0753	5.57	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	16.4		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-2(2-4)				**Lab ID:** 1708D32-004			
Collection Date: 8/10/2017 9:50:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	170		3.9	77	ug/Kg-dry	246893	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
2-Methylnaphthalene	28		0.63	22	ug/Kg-dry	246951	1
Acenaphthene	88		0.76	22	ug/Kg-dry	246951	1
Acenaphthylene	74		0.36	43	ug/Kg-dry	246951	1
Anthracene	340		0.48	2.2	ug/Kg-dry	246951	1
Benz(a)anthracene	190		1.4	2.2	ug/Kg-dry	246951	1
Benzo(a)pyrene	210		0.49	2.2	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	430		1.2	4.3	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	230		1.6	4.3	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	75		1.8	2.2	ug/Kg-dry	246951	1
Chrysene	240		2.0	2.2	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	57		1.1	4.3	ug/Kg-dry	246951	1
Fluoranthene	640		14	43	ug/Kg-dry	246951	10
Fluorene	90		0.65	4.3	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	240		1.4	2.2	ug/Kg-dry	246951	1
Naphthalene	28		0.54	22	ug/Kg-dry	246951	1
Phenanthrene	260		0.76	2.2	ug/Kg-dry	246951	1
Pyrene	500		17	22	ug/Kg-dry	246951	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	71.1		0.0811	6.00	mg/Kg-dry	246949	1

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-2(2-4)				**Lab ID:** 1708D32-004			
Collection Date: 8/10/2017 9:50:00 AM				**Matrix:** Soil			
PERCENT MOISTURE D2216							
Percent Moisture	23.2		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-3(0-2)				**Lab ID:** 1708D32-005			
Collection Date: 8/10/2017 11:00:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	69		3.4	68	ug/Kg-dry	246893	1
Isopropylbenzene	4.5		0.95	3.4	ug/Kg-dry	246893	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Acenaphthylene	49		0.33	39	ug/Kg-dry	246951	1
Anthracene	52		0.43	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	290		1.2	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	270		0.44	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	380		11	39	ug/Kg-dry	246951	10
Benzo(g,h,i)perylene	210		1.4	3.9	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	120		1.6	2.0	ug/Kg-dry	246951	1
Chrysene	320		1.8	2.0	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	57		0.95	3.9	ug/Kg-dry	246951	1
Fluoranthene	630		13	39	ug/Kg-dry	246951	10
Fluorene	29		0.58	3.9	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	200		1.3	2.0	ug/Kg-dry	246951	1
Naphthalene	23		0.49	20	ug/Kg-dry	246951	1
Phenanthrene	340		6.9	20	ug/Kg-dry	246951	10
Pyrene	470		15	20	ug/Kg-dry	246951	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	50.1		0.0583	4.31	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	15.1		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-3(2-4)				**Lab ID:** 1708D32-006			
Collection Date: 8/10/2017 11:25:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Isopropylbenzene	36		0.90	3.2	ug/Kg-dry	246926	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	1800		6.1	200	ug/Kg-dry	246951	10
2-Methylnaphthalene	2200		5.7	200	ug/Kg-dry	246951	10
Acenaphthene	2200		6.9	200	ug/Kg-dry	246951	10
Anthracene	12		0.43	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	48		1.2	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	45		0.44	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	84		1.1	3.9	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	40		1.4	3.9	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	21		1.6	2.0	ug/Kg-dry	246951	1
Chrysene	50		1.8	2.0	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	9.6		0.95	3.9	ug/Kg-dry	246951	1
Fluoranthene	100		1.3	3.9	ug/Kg-dry	246951	1
Fluorene	990		5.8	39	ug/Kg-dry	246951	10

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-3(2-4)				**Lab ID:** 1708D32-006			
Collection Date: 8/10/2017 11:25:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Indeno(1,2,3-cd)pyrene	37		1.3	2.0	ug/Kg-dry	246951	1
Naphthalene	260		0.49	20	ug/Kg-dry	246951	1
Phenanthrene	200		0.69	2.0	ug/Kg-dry	246951	1
Pyrene	81		1.5	2.0	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	16.1		0.0552	4.08	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	14.9		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-4(0-2)				**Lab ID:** 1708D32-007			
Collection Date: 8/10/2017 10:30:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	32		0.45	2.1	ug/Kg-dry	246951	1
Benz(a)anthracene	150		1.3	2.1	ug/Kg-dry	246951	1
Benzo(a)pyrene	130		0.46	2.1	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	230		1.2	4.0	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	110		1.5	4.0	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	140		1.7	2.1	ug/Kg-dry	246951	1
Chrysene	140		1.9	2.1	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	27		0.99	4.0	ug/Kg-dry	246951	1
Fluoranthene	300		1.3	4.0	ug/Kg-dry	246951	1
Fluorene	13		0.61	4.0	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	100		1.3	2.1	ug/Kg-dry	246951	1
Phenanthrene	150		0.71	2.1	ug/Kg-dry	246951	1
Pyrene	230		1.6	2.1	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	26.6		0.0739	5.47	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	18.3		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-4(2-4)				**Lab ID:** 1708D32-008			
Collection Date: 8/10/2017 10:35:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Acenaphthene	30		0.71	21	ug/Kg-dry	246951	1
Anthracene	18		0.45	2.1	ug/Kg-dry	246951	1
Benz(a)anthracene	110		1.3	2.1	ug/Kg-dry	246951	1
Benzo(a)pyrene	93		0.45	2.1	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	250		1.2	4.0	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	85		1.4	4.0	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	61		1.7	2.1	ug/Kg-dry	246951	1
Chrysene	180		1.9	2.1	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	18		0.98	4.0	ug/Kg-dry	246951	1
Fluoranthene	370		13	40	ug/Kg-dry	246951	10
Fluorene	10		0.60	4.0	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	91		1.3	2.1	ug/Kg-dry	246951	1
Phenanthrene	310		0.71	2.1	ug/Kg-dry	246951	1

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-4(2-4)				**Lab ID:** 1708D32-008			
Collection Date: 8/10/2017 10:35:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Pyrene	270		1.6	2.1	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	5.87		0.0508	3.76	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	17.9		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-5(0-2)				**Lab ID:** 1708D32-009			
Collection Date: 8/9/2017 12:30:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	66		3.3	65	ug/Kg-dry	247132	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	28		0.60	19	ug/Kg-dry	246951	1
2-Methylnaphthalene	43		0.55	19	ug/Kg-dry	246951	1
Acenaphthylene	57		0.32	38	ug/Kg-dry	246951	1
Anthracene	140		0.42	1.9	ug/Kg-dry	246951	1
Benz(a)anthracene	93		1.2	1.9	ug/Kg-dry	246951	1
Benzo(a)pyrene	100		0.43	1.9	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	280		1.1	3.8	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	120		1.4	3.8	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	54		1.6	1.9	ug/Kg-dry	246951	1
Chrysene	120		1.7	1.9	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	25		0.92	3.8	ug/Kg-dry	246951	1
Fluoranthene	170		1.2	3.8	ug/Kg-dry	246951	1
Fluorene	17		0.57	3.8	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	130		1.2	1.9	ug/Kg-dry	246951	1
Naphthalene	40		0.48	19	ug/Kg-dry	246951	1
Phenanthrene	77		0.66	1.9	ug/Kg-dry	246951	1
Pyrene	160		1.5	1.9	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	31.6		0.0643	4.76	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	12.4		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-5(2-4)				**Lab ID:** 1708D32-010			
Collection Date: 8/9/2017 12:40:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Methyl acetate	190		92	180	ug/Kg-dry	246926	50
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	59		0.68	22	ug/Kg-dry	246951	1
2-Methylnaphthalene	92		0.62	22	ug/Kg-dry	246951	1
Acenaphthene	120		0.76	22	ug/Kg-dry	246951	1
Acenaphthylene	410		0.36	43	ug/Kg-dry	246951	1
Anthracene	760		4.8	22	ug/Kg-dry	246951	10
Benz(a)anthracene	340		14	22	ug/Kg-dry	246951	10
Benzo(a)pyrene	1400		4.8	22	ug/Kg-dry	246951	10
Benzo(b)fluoranthene	2500		12	43	ug/Kg-dry	246951	10

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-5(2-4)				**Lab ID:** 1708D32-010			
Collection Date: 8/9/2017 12:40:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Benzo(g,h,i)perylene	990		15	43	ug/Kg-dry	246951	10
Benzo(k)fluoranthene	340		1.8	2.2	ug/Kg-dry	246951	1
Chrysene	1200		20	22	ug/Kg-dry	246951	10
Dibenz(a,h)anthracene	200		1.0	4.3	ug/Kg-dry	246951	1
Fluoranthene	650		14	43	ug/Kg-dry	246951	10
Fluorene	150		0.64	4.3	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	190		1.4	2.2	ug/Kg-dry	246951	1
Naphthalene	140		0.54	22	ug/Kg-dry	246951	1
Phenanthrene	280		0.75	2.2	ug/Kg-dry	246951	1
Pyrene	600		17	22	ug/Kg-dry	246951	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	84.8		0.0617	4.56	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	22.7		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-6(0-2)				**Lab ID:** 1708D32-011			
Collection Date: 8/9/2017 2:33:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	42		0.45	2.1	ug/Kg-dry	247097	1
Benz(a)anthracene	44		1.3	2.1	ug/Kg-dry	247097	1
Benzo(a)pyrene	37		0.46	2.1	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	96		1.2	4.1	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	48		1.5	4.1	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	21		1.7	2.1	ug/Kg-dry	247097	1
Chrysene	60		1.9	2.1	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	9.3		0.99	4.1	ug/Kg-dry	247097	1
Fluoranthene	94		1.3	4.1	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	42		1.3	2.1	ug/Kg-dry	247097	1
Phenanthrene	45		0.72	2.1	ug/Kg-dry	247097	1
Pyrene	91		1.6	2.1	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	12.3		0.0605	4.48	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	18.7		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-6(2-4)				**Lab ID:** 1708D32-012			
Collection Date: 8/9/2017 2:35:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	66		3.1	61	ug/Kg-dry	247132	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	15		0.43	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	4.8		1.2	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	6.3		0.44	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	14		1.1	3.9	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	12		1.4	3.9	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	2.8		1.6	2.0	ug/Kg-dry	246951	1

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-6(2-4)				**Lab ID:** 1708D32-012			
Collection Date: 8/9/2017 2:35:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Chrysene	7.6		1.8	2.0	ug/Kg-dry	246951	1
Fluoranthene	8.6		1.3	3.9	ug/Kg-dry	246951	1
Fluorene	6.7		0.58	3.9	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	8.5		1.3	2.0	ug/Kg-dry	246951	1
Phenanthrene	6.6		0.68	2.0	ug/Kg-dry	246951	1
Pyrene	8.9		1.5	2.0	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	11.1		0.0657	4.86	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	14.4		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-7(0-2)				**Lab ID:** 1708D32-013			
Collection Date: 8/9/2017 4:55:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	6.7		0.43	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	6.5		1.2	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	6.0		0.43	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	13		1.1	3.8	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	5.8		1.4	3.8	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	2.8		1.6	2.0	ug/Kg-dry	246951	1
Chrysene	6.6		1.8	2.0	ug/Kg-dry	246951	1
Fluoranthene	12		1.2	3.8	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	5.3		1.2	2.0	ug/Kg-dry	246951	1
Phenanthrene	4.8		0.67	2.0	ug/Kg-dry	246951	1
Pyrene	9.5		1.5	2.0	ug/Kg-dry	246951	1
PERCENT MOISTURE D2216							
Percent Moisture	13.1		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-7(2-4)				**Lab ID:** 1708D32-014			
Collection Date: 8/9/2017 5:00:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	270		0.84	27	ug/Kg-dry	246951	1
2-Methylnaphthalene	360		0.77	27	ug/Kg-dry	246951	1
Acenaphthene	300		0.94	27	ug/Kg-dry	246951	1
Acenaphthylene	130		0.45	53	ug/Kg-dry	246951	1
Anthracene	380		5.9	27	ug/Kg-dry	246951	10
Benz(a)anthracene	480		1.7	2.7	ug/Kg-dry	246951	1
Benzo(a)pyrene	440		0.60	2.7	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	900		15	53	ug/Kg-dry	246951	10
Benzo(g,h,i)perylene	420		1.9	5.3	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	210		2.2	2.7	ug/Kg-dry	246951	1
Chrysene	610		25	27	ug/Kg-dry	246951	10
Dibenz(a,h)anthracene	88		1.3	5.3	ug/Kg-dry	246951	1
Fluoranthene	730		17	53	ug/Kg-dry	246951	10
Fluorene	430		0.80	5.3	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	370		1.7	2.7	ug/Kg-dry	246951	1
Naphthalene	210		0.67	27	ug/Kg-dry	246951	1

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-7(2-4)				**Lab ID:** 1708D32-014			
Collection Date: 8/9/2017 5:00:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Phenanthrene	520		0.94	2.7	ug/Kg-dry	246951	1
Pyrene	880		21	27	ug/Kg-dry	246951	10
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	379		0.104	7.73	mg/Kg-dry	246949	1
PERCENT MOISTURE D2216							
Percent Moisture	37.8		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-8(0-2)				**Lab ID:** 1708D32-015			
Collection Date: 8/9/2017 11:55:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	6.7		0.43	2.0	ug/Kg-dry	246951	1
Benz(a)anthracene	8.8		1.2	2.0	ug/Kg-dry	246951	1
Benzo(a)pyrene	11		0.44	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	36		1.1	3.9	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	11		1.4	3.9	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	6.7		1.6	2.0	ug/Kg-dry	246951	1
Chrysene	20		1.8	2.0	ug/Kg-dry	246951	1
Fluoranthene	13		1.3	3.9	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	8.2		1.3	2.0	ug/Kg-dry	246951	1
Phenanthrene	3.8		0.69	2.0	ug/Kg-dry	246951	1
Pyrene	14		1.5	2.0	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	5.82		0.0682	5.05	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	15.1		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-8(2-4)				**Lab ID:** 1708D32-016			
Collection Date: 8/9/2017 12:00:00 PM				**Matrix:** Soil			
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	6.86		0.0691	5.11	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	15.9		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-9(0-2)				**Lab ID:** 1708D32-017			
Collection Date: 8/9/2017 3:15:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Benzo(a)pyrene	2.6		0.44	2.0	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	7.2		1.1	3.9	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	4.5		1.4	3.9	ug/Kg-dry	246951	1
Chrysene	3.3		1.8	2.0	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	3.7		1.3	2.0	ug/Kg-dry	246951	1
Phenanthrene	2.3		0.69	2.0	ug/Kg-dry	246951	1
Pyrene	4.2		1.5	2.0	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	8.17		0.0766	5.66	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-9(0-2)				**Lab ID:** 1708D32-017			
Collection Date: 8/9/2017 3:15:00 PM				**Matrix:** Soil			
PERCENT MOISTURE D2216							
Percent Moisture	15.9		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-10(0-2)				**Lab ID:** 1708D32-018			
Collection Date: 8/10/2017 7:45:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Isopropylbenzene	8.8		1.1	3.9	ug/Kg-dry	247229	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	250		0.65	21	ug/Kg-dry	246951	1
2-Methylnaphthalene	400		0.60	21	ug/Kg-dry	246951	1
Acenaphthene	220		0.73	21	ug/Kg-dry	246951	1
Anthracene	31		0.46	2.1	ug/Kg-dry	246951	1
Benz(a)anthracene	33		1.3	2.1	ug/Kg-dry	246951	1
Benzo(a)pyrene	38		0.46	2.1	ug/Kg-dry	246951	1
Benzo(b)fluoranthene	68		1.2	4.1	ug/Kg-dry	246951	1
Benzo(g,h,i)perylene	44		1.5	4.1	ug/Kg-dry	246951	1
Benzo(k)fluoranthene	20		1.7	2.1	ug/Kg-dry	246951	1
Chrysene	39		1.9	2.1	ug/Kg-dry	246951	1
Dibenz(a,h)anthracene	11		1.0	4.1	ug/Kg-dry	246951	1
Fluoranthene	65		1.3	4.1	ug/Kg-dry	246951	1
Fluorene	28		0.61	4.1	ug/Kg-dry	246951	1
Indeno(1,2,3-cd)pyrene	41		1.3	2.1	ug/Kg-dry	246951	1
Naphthalene	98		0.52	21	ug/Kg-dry	246951	1
Phenanthrene	33		0.72	2.1	ug/Kg-dry	246951	1
Pyrene	55		1.6	2.1	ug/Kg-dry	246951	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	17.0		0.0576	4.26	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	19.5		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-10(2-4)				**Lab ID:** 1708D32-019			
Collection Date: 8/10/2017 7:48:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	93		4.2	84	ug/Kg-dry	246926	1
Isopropylbenzene	270		59	210	ug/Kg-dry	247143	50
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	21000		72	2400	ug/Kg-dry	246951	100
2-Methylnaphthalene	35000		67	2400	ug/Kg-dry	246951	100
Acenaphthene	64000		8100	24000	ug/Kg-dry	246951	10000
Acenaphthylene	800		39	240	ug/Kg-dry	246951	100
Anthracene	13000		51	240	ug/Kg-dry	246951	100
Benz(a)anthracene	9700		150	240	ug/Kg-dry	246951	100
Benzo(a)pyrene	2300		52	240	ug/Kg-dry	246951	100
Benzo(b)fluoranthene	4500		130	460	ug/Kg-dry	246951	100
Benzo(g,h,i)perylene	820		170	460	ug/Kg-dry	246951	100
Benzo(k)fluoranthene	1600		190	240	ug/Kg-dry	246951	100
Chrysene	7700		210	240	ug/Kg-dry	246951	100

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SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-10(2-4)				**Lab ID:** 1708D32-019			
Collection Date: 8/10/2017 7:48:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Dibenz(a,h)anthracene	220		1.1	4.6	ug/Kg-dry	246951	1
Fluoranthene	72000		15000	46000	ug/Kg-dry	246951	10000
Fluorene	50000		6900	46000	ug/Kg-dry	246951	10000
Indeno(1,2,3-cd)pyrene	800		150	240	ug/Kg-dry	246951	100
Naphthalene	5200		58	2400	ug/Kg-dry	246951	100
Phenanthrene	120000		8100	24000	ug/Kg-dry	246951	10000
Pyrene	40000		180	240	ug/Kg-dry	246951	100
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	70.3		0.0564	4.17	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	27.9		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-9(2-4)				**Lab ID:** 1708D32-020			
Collection Date: 8/9/2017 3:20:00 PM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
Acetone	250		5.8	110	ug/Kg-dry	247229	1
Methylcyclohexane	6.7		1.8	5.7	ug/Kg-dry	247229	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	140		0.91	30	ug/Kg-dry	247097	1
2-Methylnaphthalene	200		0.84	30	ug/Kg-dry	247097	1
Acenaphthene	300		1.0	30	ug/Kg-dry	247097	1
Anthracene	200		0.64	3.0	ug/Kg-dry	247097	1
Benz(a)anthracene	210		1.8	3.0	ug/Kg-dry	247097	1
Benzo(a)pyrene	180		0.65	3.0	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	470		1.7	5.7	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	200		2.1	5.7	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	100		2.4	3.0	ug/Kg-dry	247097	1
Chrysene	310		2.7	3.0	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	35		1.4	5.7	ug/Kg-dry	247097	1
Fluoranthene	370		1.9	5.7	ug/Kg-dry	247097	1
Fluorene	360		0.86	5.7	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	160		1.9	3.0	ug/Kg-dry	247097	1
Naphthalene	120		0.73	30	ug/Kg-dry	247097	1
Phenanthrene	230		1.0	3.0	ug/Kg-dry	247097	1
Pyrene	530		2.2	3.0	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	193		0.0945	6.99	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	42.5		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-11(0-2)				**Lab ID:** 1708D32-021			
Collection Date: 8/10/2017 8:59:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
2-Methylnaphthalene	24		0.56	20	ug/Kg-dry	247097	1
Acenaphthene	55		0.68	20	ug/Kg-dry	247097	1
Anthracene	93		0.43	2.0	ug/Kg-dry	247097	1

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-11(0-2)				**Lab ID:** 1708D32-021			
Collection Date: 8/10/2017 8:59:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Benz(a)anthracene	78		1.2	2.0	ug/Kg-dry	247097	1
Benzo(a)pyrene	54		0.43	2.0	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	140		1.1	3.8	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	78		1.4	3.8	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	32		1.6	2.0	ug/Kg-dry	247097	1
Chrysene	76		1.8	2.0	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	19		0.93	3.8	ug/Kg-dry	247097	1
Fluoranthene	300		1.3	3.8	ug/Kg-dry	247097	1
Fluorene	110		0.57	3.8	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	69		1.3	2.0	ug/Kg-dry	247097	1
Phenanthrene	400		6.7	20	ug/Kg-dry	247097	10
Pyrene	220		1.5	2.0	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	26.5		0.0489	3.62	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	13.5		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-11(2-4)				**Lab ID:** 1708D32-022			
Collection Date: 8/10/2017 9:04:00 AM				**Matrix:** Soil			
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**			
2-Butanone	72		5.0	40	ug/Kg-dry	247229	1
Acetone	370	E	4.1	80	ug/Kg-dry	247229	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
1-Methylnaphthalene	36		0.71	23	ug/Kg-dry	247097	1
2-Methylnaphthalene	98		0.66	23	ug/Kg-dry	247097	1
Anthracene	8900		50	230	ug/Kg-dry	247097	100
Benz(a)anthracene	6100		140	230	ug/Kg-dry	247097	100
Benzo(a)pyrene	2100		51	230	ug/Kg-dry	247097	100
Benzo(b)fluoranthene	5900		130	450	ug/Kg-dry	247097	100
Benzo(g,h,i)perylene	1200		160	450	ug/Kg-dry	247097	100
Benzo(k)fluoranthene	1700		190	230	ug/Kg-dry	247097	100
Chrysene	6900		210	230	ug/Kg-dry	247097	100
Dibenz(a,h)anthracene	320		1.1	4.5	ug/Kg-dry	247097	1
Fluoranthene	4900		150	450	ug/Kg-dry	247097	100
Fluorene	1800		68	450	ug/Kg-dry	247097	100
Indeno(1,2,3-cd)pyrene	250		150	230	ug/Kg-dry	247097	100
Naphthalene	61		0.57	23	ug/Kg-dry	247097	1
Phenanthrene	2800		79	230	ug/Kg-dry	247097	100
Pyrene	8700		180	230	ug/Kg-dry	247097	100
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	97.7		0.0615	4.55	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	26.6		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-12(0-2)				**Lab ID:** 1708D32-023			
Collection Date: 8/9/2017 10:10:00 AM				**Matrix:** Soil			

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-12(0-2)				**Lab ID:** 1708D32-023			
Collection Date: 8/9/2017 10:10:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	6.9		0.45	2.1	ug/Kg-dry	247097	1
Benz(a)anthracene	6.4		1.3	2.1	ug/Kg-dry	247097	1
Benzo(a)pyrene	5.5		0.46	2.1	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	16		1.2	4.1	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	6.4		1.5	4.1	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	3.5		1.7	2.1	ug/Kg-dry	247097	1
Chrysene	8.1		1.9	2.1	ug/Kg-dry	247097	1
Fluoranthene	10		1.3	4.1	ug/Kg-dry	247097	1
Fluorene	6.4		0.61	4.1	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	5.3		1.3	2.1	ug/Kg-dry	247097	1
Phenanthrene	5.2		0.72	2.1	ug/Kg-dry	247097	1
Pyrene	12		1.6	2.1	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	7.99		0.0726	5.37	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	18.7		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-12(2-4)				**Lab ID:** 1708D32-024			
Collection Date: 8/9/2017 10:15:00 AM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
2-Methylnaphthalene	28		0.56	20	ug/Kg-dry	247097	1
Anthracene	45		0.43	2.0	ug/Kg-dry	247097	1
Benz(a)anthracene	51		1.2	2.0	ug/Kg-dry	247097	1
Benzo(a)pyrene	60		0.43	2.0	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	150		1.1	3.8	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	58		1.4	3.8	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	28		1.6	2.0	ug/Kg-dry	247097	1
Chrysene	67		1.8	2.0	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	13		0.94	3.8	ug/Kg-dry	247097	1
Fluoranthene	77		1.3	3.8	ug/Kg-dry	247097	1
Fluorene	12		0.58	3.8	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	54		1.3	2.0	ug/Kg-dry	247097	1
Phenanthrene	39		0.68	2.0	ug/Kg-dry	247097	1
Pyrene	81		1.5	2.0	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	46.1		0.0650	4.81	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	14.0		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-13(0-2)				**Lab ID:** 1708D32-025			
Collection Date: 8/10/2017 1:55:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	51		0.43	2.0	ug/Kg-dry	247097	1
Benz(a)anthracene	130		1.2	2.0	ug/Kg-dry	247097	1
Benzo(a)pyrene	110		0.43	2.0	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	230		1.1	3.8	ug/Kg-dry	247097	1

Analytical Environmental Services, Inc

Date: 22-Aug-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: LOTT SB-13(0-2)				**Lab ID:** 1708D32-025			
Collection Date: 8/10/2017 1:55:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Benzo(g,h,i)perylene	83		1.4	3.8	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	63		1.6	2.0	ug/Kg-dry	247097	1
Chrysene	120		1.8	2.0	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	23		0.93	3.8	ug/Kg-dry	247097	1
Fluoranthene	260		1.2	3.8	ug/Kg-dry	247097	1
Fluorene	16		0.57	3.8	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	15		1.3	2.0	ug/Kg-dry	247097	1
Phenanthrene	120		0.67	2.0	ug/Kg-dry	247097	1
Pyrene	230		1.5	2.0	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	17.3		0.0611	4.52	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	13.5		0	0	wt%	R350150	1
Client Sample ID: LOTT SB-13(2-4)				**Lab ID:** 1708D32-026			
Collection Date: 8/10/2017 2:00:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Acenaphthene	32		0.72	21	ug/Kg-dry	247097	1
Anthracene	36		0.45	2.1	ug/Kg-dry	247097	1
Benz(a)anthracene	160		1.3	2.1	ug/Kg-dry	247097	1
Benzo(a)pyrene	120		0.46	2.1	ug/Kg-dry	247097	1
Benzo(b)fluoranthene	220		1.2	4.1	ug/Kg-dry	247097	1
Benzo(g,h,i)perylene	89		1.5	4.1	ug/Kg-dry	247097	1
Benzo(k)fluoranthene	58		1.7	2.1	ug/Kg-dry	247097	1
Chrysene	140		1.9	2.1	ug/Kg-dry	247097	1
Dibenz(a,h)anthracene	24		0.99	4.1	ug/Kg-dry	247097	1
Fluoranthene	310		1.3	4.1	ug/Kg-dry	247097	1
Fluorene	17		0.61	4.1	ug/Kg-dry	247097	1
Indeno(1,2,3-cd)pyrene	15		1.3	2.1	ug/Kg-dry	247097	1
Phenanthrene	130		0.72	2.1	ug/Kg-dry	247097	1
Pyrene	270		1.6	2.1	ug/Kg-dry	247097	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	39.8		0.0821	6.07	mg/Kg-dry	246950	1
PERCENT MOISTURE D2216							
Percent Moisture	18.8		0	0	wt%	R350150	1

Qualifiers:

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

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: AECOM — AES Work Order Number: 1709L05

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 2.2 °C Cooler 2 Temperature 2.0 °C Cooler 3 Temperature 1.9 °C Cooler 4 Temperature 3.1 °C

14. Cooler 5 Temperature 2.6 °C Cooler 6 Temperature 2.9 °C Cooler 7 Temperature 4.2 °C Cooler 8 Temperature 3.8 °C

15. Comments: Continuation of cooler #9 =2.1 #10=2.3 #11=3.6 #12= 3.1 #13=2.8 #14=3.1

I certify that I have completed sections 1-15 (dated initials). MJ 9/22/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ☐ not listed on COC ■	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). MJ 9/22/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MJ 9/22/17

Checklist 6.9.17 Rev 2

Locked

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246893**

Sample ID: **MB-246893** Client ID: Units: **ug/Kg** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683370**

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246893**

Sample ID: **MB-246893** Client ID: Units: **ug/Kg** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683370**

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	45.20	0	50.00		90.4	63	125				
Surr: Dibromofluoromethane	50.38	0	50.00		101	69.9	123				
Surr: Toluene-d8	49.82	0	50.00		99.6	70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246893

Sample ID: **LCS-246893** Client ID: Units: **ug/Kg** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683417**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	39.38	5.0	50.00		78.8	62	142				
Benzene	52.49	5.0	50.00		105	70.2	131				
Chlorobenzene	45.93	5.0	50.00		91.9	72.9	129				
Toluene	47.74	5.0	50.00		95.5	70.6	131				
Trichloroethene	45.15	5.0	50.00		90.3	70.1	136				
Surr: 4-Bromofluorobenzene	47.14	0	50.00		94.3	63	125				
Surr: Dibromofluoromethane	53.51	0	50.00		107	69.9	123				
Surr: Toluene-d8	49.69	0	50.00		99.4	70	122				

Sample ID: **1708A21-004AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683442**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	42.02	5.5	55.35		75.9	55	143				
Benzene	52.58	5.5	55.35		95.0	68.5	128				
Chlorobenzene	49.47	5.5	55.35		89.4	67.7	126				
Toluene	51.32	5.5	55.35		92.7	66.9	128				
Trichloroethene	48.43	5.5	55.35		87.5	60.7	133				
Surr: 4-Bromofluorobenzene	53.59	0	55.35		96.8	63	125				
Surr: Dibromofluoromethane	59.20	0	55.35		107	69.9	123				
Surr: Toluene-d8	56.63	0	55.35		102	70	122				

Sample ID: **1708A21-004AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683443**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	40.71	5.5	55.35		73.6	55	143	42.02	3.16	19.3	
Benzene	53.71	5.5	55.35		97.0	68.5	128	52.58	2.12	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246893**

Sample ID: **1708A21-004AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/11/2017** Run No: **349640**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246893** Analysis Date: **08/11/2017** Seq No: **7683443**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	49.98	5.5	55.35		90.3	67.7	126	49.47	1.02	20	
Toluene	53.34	5.5	55.35		96.4	66.9	128	51.32	3.87	20	
Trichloroethene	49.27	5.5	55.35		89.0	60.7	133	48.43	1.72	20	
Surr: 4-Bromofluorobenzene	51.83	0	55.35		93.6	63	125	53.59	0	0	
Surr: Dibromofluoromethane	56.60	0	55.35		102	69.9	123	59.20	0	0	
Surr: Toluene-d8	56.44	0	55.35		102	70	122	56.63	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246922**

Sample ID: **MB-246922** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7684732**

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246922**

Sample ID: **MB-246922** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7684732**

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	44.68	0	50.00		89.4	66.1	129				
Surr: Dibromofluoromethane	49.88	0	50.00		99.8	83.6	123				
Surr: Toluene-d8	51.94	0	50.00		104	81.8	118				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246922

Sample ID: **LCS-246922** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7684731**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.62	5.0	50.00		103	68	139				
Benzene	47.97	5.0	50.00		95.9	74	125				
Chlorobenzene	48.25	5.0	50.00	0.9100	94.7	75.7	123				
Toluene	49.58	5.0	50.00		99.2	75.9	126				
Trichloroethene	47.38	5.0	50.00		94.8	70.6	129				
Surr: 4-Bromofluorobenzene	44.04	0	50.00		88.1	66.1	129				
Surr: Dibromofluoromethane	47.68	0	50.00		95.4	83.6	123				
Surr: Toluene-d8	50.89	0	50.00		102	81.8	118				

Sample ID: **1708C79-001AMS** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7685983**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	51.19	5.0	50.00		102	64.3	149				
Benzene	49.36	5.0	50.00		98.7	71.6	132				
Chlorobenzene	47.03	5.0	50.00		94.1	73.1	126				
Toluene	51.58	5.0	50.00	0.5200	102	72.5	135				
Trichloroethene	49.18	5.0	50.00		98.4	70.2	132				
Surr: 4-Bromofluorobenzene	42.79	0	50.00		85.6	66.1	129				
Surr: Dibromofluoromethane	46.53	0	50.00		93.1	83.6	123				
Surr: Toluene-d8	51.10	0	50.00		102	81.8	118				

Sample ID: **1708C79-001AMSD** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7685984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	49.12	5.0	50.00		98.2	64.3	149	51.19	4.13	30.8	
Benzene	47.99	5.0	50.00		96.0	71.6	132	49.36	2.81	20.7	

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246922**

Sample ID: **1708C79-001AMSD** Client ID: Units: **ug/L** Prep Date: **08/14/2017** Run No: **349706**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246922** Analysis Date: **08/14/2017** Seq No: **7685984**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.37	5.0	50.00		94.7	73.1	126	47.03	0.720	26.6	
Toluene	50.36	5.0	50.00	0.5200	99.7	72.5	135	51.58	2.39	23.2	
Trichloroethene	47.54	5.0	50.00		95.1	70.2	132	49.18	3.39	27.7	
Surr: 4-Bromofluorobenzene	46.98	0	50.00		94.0	66.1	129	42.79	0	0	
Surr: Dibromofluoromethane	46.40	0	50.00		92.8	83.6	123	46.53	0	0	
Surr: Toluene-d8	51.57	0	50.00		103	81.8	118	51.10	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246926**

Sample ID: **MB-246926** Client ID: Units: **ug/Kg** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7684956**

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
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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246926**

Sample ID: **MB-246926** Client ID: Units: **ug/Kg** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7684956**

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	2286	0	2500		91.4	63	125				
Surr: Dibromofluoromethane	2601	0	2500		104	69.9	123				
Surr: Toluene-d8	2476	0	2500		99.0	70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246926

Sample ID: **LCS-246926** Client ID: Units: **ug/Kg** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7684955**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2210	250	2500		88.4	62	142				
Benzene	2450	250	2500		98.0	70.2	131				
Chlorobenzene	2232	250	2500		89.3	72.9	129				
Toluene	2514	250	2500		101	70.6	131				
Trichloroethene	2482	250	2500		99.3	70.1	136				
Surr: 4-Bromofluorobenzene	2267	0	2500		90.7	63	125				
Surr: Dibromofluoromethane	2434	0	2500		97.4	69.9	123				
Surr: Toluene-d8	2499	0	2500		100.0	70	122				

Sample ID: **1708A21-005AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7686031**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1889	210	2113		89.4	55	143				
Benzene	2357	210	2113		112	68.5	128				
Chlorobenzene	2116	210	2113		100	67.7	126				
Toluene	2307	210	2113		109	66.9	128				
Trichloroethene	2389	210	2113		113	60.7	133				
Surr: 4-Bromofluorobenzene	2004	0	2113		94.8	63	125				
Surr: Dibromofluoromethane	2157	0	2113		102	69.9	123				
Surr: Toluene-d8	2057	0	2113		97.4	70	122				

Sample ID: **1708A21-005AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7686032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1790	210	2113		84.7	55	143	1889	5.38	19.3	
Benzene	2168	210	2113		103	68.5	128	2357	8.31	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246926**

Sample ID: **1708A21-005AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/14/2017** Run No: **349722**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **246926** Analysis Date: **08/14/2017** Seq No: **7686032**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	1985	210	2113		93.9	67.7	126	2116	6.41	20	
Toluene	2253	210	2113		107	66.9	128	2307	2.34	20	
Trichloroethene	2200	210	2113		104	60.7	133	2389	8.25	20	
Surr: 4-Bromofluorobenzene	1980	0	2113		93.7	63	125	2004	0	0	
Surr: Dibromofluoromethane	1934	0	2113		91.5	69.9	123	2157	0	0	
Surr: Toluene-d8	2132	0	2113		101	70	122	2057	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246949

Sample ID: **MB-246949** Client ID: Units: **mg/Kg** Prep Date: **08/15/2017** Run No: **349882**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **246949** Analysis Date: **08/15/2017** Seq No: **7688284**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00									

Sample ID: **LCS-246949** Client ID: Units: **mg/Kg** Prep Date: **08/15/2017** Run No: **349882**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **246949** Analysis Date: **08/15/2017** Seq No: **7688287**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	47.91	5.00	50.00		95.8	80	120				

Sample ID: **1708D03-001AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **08/15/2017** Run No: **349882**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **246949** Analysis Date: **08/15/2017** Seq No: **7688289**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	77.38	5.58	55.85	25.30	93.3	75	125				

Sample ID: **1708D03-001AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **08/15/2017** Run No: **349882**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **246949** Analysis Date: **08/15/2017** Seq No: **7688290**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	74.33	5.55	55.53	25.30	88.3	75	125	77.38	4.01	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246950

Sample ID: **MB-246950** Client ID: Units: **mg/Kg** Prep Date: **08/15/2017** Run No: **349910**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **246950** Analysis Date: **08/16/2017** Seq No: **7688987**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00									

Sample ID: **LCS-246950** Client ID: Units: **mg/Kg** Prep Date: **08/15/2017** Run No: **349910**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **246950** Analysis Date: **08/16/2017** Seq No: **7688988**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	48.09	5.00	50.00	0.1045	96.0	80	120				

Sample ID: **1708D32-015BMS** Client ID: **LOTT SB-8(0-2)** Units: **mg/Kg-dry** Prep Date: **08/15/2017** Run No: **349910**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **246950** Analysis Date: **08/16/2017** Seq No: **7688990**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	54.30	5.07	50.68	5.816	95.7	75	125				

Sample ID: **1708D32-015BMSD** Client ID: **LOTT SB-8(0-2)** Units: **mg/Kg-dry** Prep Date: **08/15/2017** Run No: **349910**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **246950** Analysis Date: **08/16/2017** Seq No: **7688993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	56.42	5.05	50.47	5.816	100	75	125	54.30	3.83	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246951

Sample ID: **MB-246951** Client ID: Units: **ug/Kg** Prep Date: **08/15/2017** Run No: **349878**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/15/2017** Seq No: **7688250**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	17									
2-Methylnaphthalene	BRL	17									
Acenaphthene	BRL	17									
Acenaphthylene	BRL	33									
Anthracene	BRL	1.7									
Benz(a)anthracene	BRL	1.7									
Benzo(a)pyrene	BRL	1.7									
Benzo(b)fluoranthene	BRL	3.3									
Benzo(g,h,i)perylene	BRL	3.3									
Benzo(k)fluoranthene	BRL	1.7									
Chrysene	BRL	1.7									
Dibenz(a,h)anthracene	BRL	3.3									
Fluoranthene	BRL	3.3									
Fluorene	BRL	3.3									
Indeno(1,2,3-cd)pyrene	BRL	1.7									
Naphthalene	BRL	17									
Phenanthrene	BRL	1.7									
Pyrene	BRL	1.7									
Surr: 4-Terphenyl-d14	60.75	0	66.70		91.1	50.2	121				

Sample ID: **LCS-246951** Client ID: Units: **ug/Kg** Prep Date: **08/15/2017** Run No: **349878**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/15/2017** Seq No: **7688251**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	57.20	17	66.70		85.8	62.8	120				
2-Methylnaphthalene	53.52	17	66.70		80.2	61	120				
Acenaphthene	59.17	17	66.70		88.7	62.4	120				
Acenaphthylene	55.05	33	66.70		82.5	60.5	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246951**

Sample ID: **LCS-246951** Client ID: Units: **ug/Kg** Prep Date: **08/15/2017** Run No: **349878**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/15/2017** Seq No: **7688251**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	53.46	1.7	66.70		80.2	60	120				
Benz(a)anthracene	60.14	1.7	66.70		90.2	64.9	134				
Benzo(a)pyrene	52.24	1.7	66.70		78.3	60.2	120				
Benzo(b)fluoranthene	70.20	3.3	66.70		105	59.5	128				
Benzo(g,h,i)perylene	73.42	3.3	66.70		110	62.5	122				
Benzo(k)fluoranthene	64.84	1.7	66.70		97.2	62.8	124				
Chrysene	65.62	1.7	66.70		98.4	68.8	123				
Dibenz(a,h)anthracene	73.04	3.3	66.70		110	60.6	120				
Fluoranthene	62.72	3.3	66.70		94.0	63.9	128				
Fluorene	60.25	3.3	66.70		90.3	61.9	120				
Indeno(1,2,3-cd)pyrene	71.28	1.7	66.70		107	60.9	128				
Naphthalene	57.33	17	66.70		86.0	62.4	120				
Phenanthrene	63.76	1.7	66.70		95.6	62.4	120				
Pyrene	59.40	1.7	66.70		89.1	64.1	123				
Surr: 4-Terphenyl-d14	61.27	0	66.70		91.9	50.2	121				

Sample ID: **1708D32-007CMS** Client ID: **LOTT SB-4(0-2)** Units: **ug/Kg-dry** Prep Date: **08/15/2017** Run No: **350022**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/17/2017** Seq No: **7693015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	71.88	21	81.60	11.47	74.0	45.4	117				
2-Methylnaphthalene	71.42	21	81.60	12.18	72.6	55	120				
Acenaphthene	75.44	21	81.60	8.339	82.2	58.9	120				
Acenaphthylene	74.86	40	81.60	12.44	76.5	49.5	123				
Anthracene	91.75	2.1	81.60	32.37	72.8	52.8	121				
Benz(a)anthracene	196.8	2.1	81.60	150.3	57.0	56.5	139				
Benzo(a)pyrene	177.6	2.1	81.60	126.7	62.3	46.9	123				
Benzo(b)fluoranthene	256.3	4.0	81.60	233.3	28.1	51.5	129				S

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 246951

Sample ID: **1708D32-007CMS** Client ID: **LOTT SB-4(0-2)** Units: **ug/Kg-dry** Prep Date: **08/15/2017** Run No: **350022**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/17/2017** Seq No: **7693015**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	158.1	4.0	81.60	105.8	64.1	45.8	123				
Benzo(k)fluoranthene	109.2	2.1	81.60	143.0	-41.4	43.8	121				S
Chrysene	178.9	2.1	81.60	143.8	43.0	57.4	121				S
Dibenz(a,h)anthracene	88.65	4.0	81.60	27.42	75.0	43.6	120				
Fluoranthene	315.4	4.0	81.60	299.8	19.2	53	135				S
Fluorene	75.55	4.0	81.60	13.43	76.1	54.7	123				
Indeno(1,2,3-cd)pyrene	151.2	2.1	81.60	104.6	57.2	46.3	128				
Naphthalene	62.69	21	81.60	7.790	67.3	56.3	120				
Phenanthrene	169.3	2.1	81.60	147.7	26.4	43.5	124				S
Pyrene	252.6	2.1	81.60	226.2	32.3	56.2	121				S
Surr: 4-Terphenyl-d14	62.10	0	81.60		76.1	50.2	121				

Sample ID: **1708D32-007CMSD** Client ID: **LOTT SB-4(0-2)** Units: **ug/Kg-dry** Prep Date: **08/15/2017** Run No: **350022**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/17/2017** Seq No: **7693016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	70.96	21	81.60	11.47	72.9	45.4	117	71.88	1.28	54.5	
2-Methylnaphthalene	70.50	21	81.60	12.18	71.5	55	120	71.42	1.29	61.2	
Acenaphthene	71.38	21	81.60	8.339	77.3	58.9	120	75.44	5.53	21.8	
Acenaphthylene	77.43	40	81.60	12.44	79.6	49.5	123	74.86	3.37	20.4	
Anthracene	97.27	2.1	81.60	32.37	79.5	52.8	121	91.75	5.83	20.5	
Benz(a)anthracene	201.4	2.1	81.60	150.3	62.6	56.5	139	196.8	2.29	23.9	
Benzo(a)pyrene	188.7	2.1	81.60	126.7	75.9	46.9	123	177.6	6.06	23.1	
Benzo(b)fluoranthene	260.6	4.0	81.60	233.3	33.4	51.5	129	256.3	1.66	23.3	S
Benzo(g,h,i)perylene	167.0	4.0	81.60	105.8	75.0	45.8	123	158.1	5.47	26.1	
Benzo(k)fluoranthene	110.1	2.1	81.60	143.0	-40.3	43.8	121	109.2	0.773	27.1	S
Chrysene	188.9	2.1	81.60	143.8	55.4	57.4	121	178.9	5.47	23.1	S
Dibenz(a,h)anthracene	91.87	4.0	81.60	27.42	79.0	43.6	120	88.65	3.56	23.4	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **246951**

Sample ID: **1708D32-007CMSD** Client ID: **LOTT SB-4(0-2)** Units: **ug/Kg-dry** Prep Date: **08/15/2017** Run No: **350022**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **246951** Analysis Date: **08/17/2017** Seq No: **7693016**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	336.6	4.0	81.60	299.8	45.1	53	135	315.4	6.48	23.4	S
Fluorene	73.85	4.0	81.60	13.43	74.0	54.7	123	75.55	2.27	26.6	
Indeno(1,2,3-cd)pyrene	161.1	2.1	81.60	104.6	69.3	46.3	128	151.2	6.33	25.2	
Naphthalene	59.90	21	81.60	7.790	63.9	56.3	120	62.69	4.55	23.3	
Phenanthrene	196.1	2.1	81.60	147.7	59.3	43.5	124	169.3	14.7	35	
Pyrene	266.0	2.1	81.60	226.2	48.8	56.2	121	252.6	5.19	24	S
Surr: 4-Terphenyl-d14	58.34	0	81.60		71.5	50.2	121	62.10	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247097**

Sample ID: **MB-247097** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7693721**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	17									
2-Methylnaphthalene	BRL	17									
Acenaphthene	BRL	17									
Acenaphthylene	BRL	33									
Anthracene	BRL	1.7									
Benz(a)anthracene	BRL	1.7									
Benzo(a)pyrene	BRL	1.7									
Benzo(b)fluoranthene	BRL	3.3									
Benzo(g,h,i)perylene	BRL	3.3									
Benzo(k)fluoranthene	BRL	1.7									
Chrysene	BRL	1.7									
Dibenz(a,h)anthracene	BRL	3.3									
Fluoranthene	BRL	3.3									
Fluorene	BRL	3.3									
Indeno(1,2,3-cd)pyrene	BRL	1.7									
Naphthalene	BRL	17									
Phenanthrene	BRL	1.7									
Pyrene	BRL	1.7									
Surr: 4-Terphenyl-d14	59.77	0	66.70		89.6	50.2	121				

Sample ID: **LCS-247097** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7693722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	53.51	17	66.70		80.2	62.8	120				
2-Methylnaphthalene	54.52	17	66.70		81.7	61	120				
Acenaphthene	55.84	17	66.70		83.7	62.4	120				
Acenaphthylene	58.61	33	66.70		87.9	60.5	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247097

Sample ID: **LCS-247097** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7693722**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	54.68	1.7	66.70		82.0	60	120				
Benz(a)anthracene	68.09	1.7	66.70		102	64.9	134				
Benzo(a)pyrene	50.74	1.7	66.70		76.1	60.2	120				
Benzo(b)fluoranthene	77.10	3.3	66.70		116	59.5	128				
Benzo(g,h,i)perylene	61.20	3.3	66.70		91.8	62.5	122				
Benzo(k)fluoranthene	56.25	1.7	66.70		84.3	62.8	124				
Chrysene	58.81	1.7	66.70		88.2	68.8	123				
Dibenz(a,h)anthracene	65.30	3.3	66.70		97.9	60.6	120				
Fluoranthene	61.90	3.3	66.70		92.8	63.9	128				
Fluorene	61.02	3.3	66.70		91.5	61.9	120				
Indeno(1,2,3-cd)pyrene	63.28	1.7	66.70		94.9	60.9	128				
Naphthalene	53.65	17	66.70		80.4	62.4	120				
Phenanthrene	56.54	1.7	66.70		84.8	62.4	120				
Pyrene	66.06	1.7	66.70		99.0	64.1	123				
Surr: 4-Terphenyl-d14	57.14	0	66.70		85.7	50.2	121				

Sample ID: **1708D32-020CMS** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7695126**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	222.9	30	116.1	144.8	67.2	45.4	117				
2-Methylnaphthalene	270.1	30	116.1	199.7	60.7	55	120				
Acenaphthene	360.7	30	116.1	295.2	56.5	58.9	120				S
Acenaphthylene	134.3	57	116.1	44.70	77.2	49.5	123				
Anthracene	291.0	3.0	116.1	204.9	74.2	52.8	121				
Benz(a)anthracene	344.5	3.0	116.1	207.5	118	56.5	139				
Benzo(a)pyrene	259.6	3.0	116.1	185.0	64.3	46.9	123				
Benzo(b)fluoranthene	548.1	5.7	116.1	470.5	66.9	51.5	129				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247097

Sample ID: **1708D32-020CMS** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7695126**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	269.8	5.7	116.1	195.7	63.9	45.8	123				
Benzo(k)fluoranthene	159.6	3.0	116.1	104.7	47.3	43.8	121				
Chrysene	390.8	3.0	116.1	313.2	66.8	57.4	121				
Dibenz(a,h)anthracene	121.3	5.7	116.1	35.04	74.3	43.6	120				
Fluoranthene	402.0	5.7	116.1	372.6	25.3	53	135				S
Fluorene	421.9	5.7	116.1	363.0	50.7	54.7	123				S
Indeno(1,2,3-cd)pyrene	248.0	3.0	116.1	158.5	77.1	46.3	128				
Naphthalene	200.5	30	116.1	116.6	72.3	56.3	120				
Phenanthrene	306.6	3.0	116.1	228.5	67.3	43.5	124				
Surr: 4-Terphenyl-d14	85.55	0	116.1		73.7	50.2	121				

Sample ID: **1708D32-020CMS** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350297**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/21/2017** Seq No: **7698360**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Pyrene	682.8	30	116.1	531.7	130	56.2	121				S

Sample ID: **1708D32-020CMSD** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7695127**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	234.7	30	116.1	144.8	77.5	45.4	117	222.9	5.19	54.5	
2-Methylnaphthalene	288.0	30	116.1	199.7	76.1	55	120	270.1	6.42	61.2	
Acenaphthene	414.4	30	116.1	295.2	103	58.9	120	360.7	13.9	21.8	
Acenaphthylene	134.3	57	116.1	44.70	77.2	49.5	123	134.3	0.038	20.4	
Anthracene	315.4	3.0	116.1	204.9	95.2	52.8	121	291.0	8.02	20.5	
Benz(a)anthracene	330.9	3.0	116.1	207.5	106	56.5	139	344.5	4.05	23.9	
Benzo(a)pyrene	272.9	3.0	116.1	185.0	75.7	46.9	123	259.6	4.99	23.1	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247097

Sample ID: **1708D32-020CMSD** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350137**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/18/2017** Seq No: **7695127**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	242.4	5.7	116.1	195.7	40.2	45.8	123	269.8	10.7	26.1	S
Benzo(k)fluoranthene	198.8	3.0	116.1	104.7	81.1	43.8	121	159.6	21.9	27.1	
Chrysene	389.3	3.0	116.1	313.2	65.5	57.4	121	390.8	0.385	23.1	
Dibenz(a,h)anthracene	103.0	5.7	116.1	35.04	58.5	43.6	120	121.3	16.4	23.4	
Fluoranthene	485.8	5.7	116.1	372.6	97.5	53	135	402.0	18.9	23.4	
Fluorene	520.7	5.7	116.1	363.0	136	54.7	123	421.9	21.0	26.6	S
Indeno(1,2,3-cd)pyrene	221.7	3.0	116.1	158.5	54.4	46.3	128	248.0	11.2	25.2	
Naphthalene	216.4	30	116.1	116.6	86.0	56.3	120	200.5	7.62	23.3	
Phenanthrene	317.8	3.0	116.1	228.5	76.9	43.5	124	306.6	3.58	35	
Surr: 4-Terphenyl-d14	77.96	0	116.1		67.2	50.2	121	85.55	0	20	

Sample ID: **1708D32-020CMSD** Client ID: **LOTT SB-9(2-4)** Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350297**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **247097** Analysis Date: **08/21/2017** Seq No: **7698362**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	526.9	57	116.1	470.5	48.6	51.5	129	0	0	23.3	S
Pyrene	646.8	30	116.1	531.7	99.2	56.2	121	0	0	24	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247132**

Sample ID: **MB-247132** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691175**

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247132

Sample ID: **MB-247132** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691175**

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	44.45	0	50.00		88.9	63	125				
Surr: Dibromofluoromethane	48.40	0	50.00		96.8	69.9	123				
Surr: Toluene-d8	48.78	0	50.00		97.6	70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247132

Sample ID: **LCS-247132** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	48.29	5.0	50.00		96.6	62	142				
Benzene	49.91	5.0	50.00		99.8	70.2	131				
Chlorobenzene	50.04	5.0	50.00		100	72.9	129				
Toluene	49.88	5.0	50.00		99.8	70.6	131				
Trichloroethene	49.44	5.0	50.00		98.9	70.1	136				
Surr: 4-Bromofluorobenzene	45.81	0	50.00		91.6	63	125				
Surr: Dibromofluoromethane	47.87	0	50.00		95.7	69.9	123				
Surr: Toluene-d8	48.78	0	50.00		97.6	70	122				

Sample ID: **1708F46-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691657**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	65.14	6.1	60.97		107	55	143				
Benzene	61.23	6.1	60.97		100	68.5	128				
Chlorobenzene	60.80	6.1	60.97		99.7	67.7	126				
Toluene	60.62	6.1	60.97		99.4	66.9	128				
Trichloroethene	60.92	6.1	60.97		99.9	60.7	133				
Surr: 4-Bromofluorobenzene	57.49	0	60.97		94.3	63	125				
Surr: Dibromofluoromethane	56.40	0	60.97		92.5	69.9	123				
Surr: Toluene-d8	58.03	0	60.97		95.2	70	122				

Sample ID: **1708F46-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691658**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	56.82	6.1	60.97		93.2	55	143	65.14	13.7	19.3	
Benzene	60.49	6.1	60.97		99.2	68.5	128	61.23	1.22	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247132**

Sample ID: **1708F46-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **350012**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247132** Analysis Date: **08/17/2017** Seq No: **7691658**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	59.74	6.1	60.97		98.0	67.7	126	60.80	1.76	20	
Toluene	58.68	6.1	60.97		96.2	66.9	128	60.62	3.25	20	
Trichloroethene	59.67	6.1	60.97		97.9	60.7	133	60.92	2.08	20	
Surr: 4-Bromofluorobenzene	56.96	0	60.97		93.4	63	125	57.49	0	0	
Surr: Dibromofluoromethane	57.45	0	60.97		94.2	69.9	123	56.40	0	0	
Surr: Toluene-d8	57.83	0	60.97		94.8	70	122	58.03	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247143**

Sample ID: **MB-247143** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7691691**

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
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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247143

Sample ID: **MB-247143** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7691691**

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	2225	0	2500			63	125				
Surr: Dibromofluoromethane	2416	0	2500			69.9	123				
Surr: Toluene-d8	2456	0	2500			70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247143

Sample ID: **LCS-247143** Client ID: Units: **ug/Kg** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7691692**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	2430	250	2500		0	62	142				
Benzene	2429	250	2500		0	70.2	131				
Chlorobenzene	2590	250	2500		0	72.9	129				
Toluene	2518	250	2500		0	70.6	131				
Trichloroethene	2484	250	2500		0	70.1	136				
Surr: 4-Bromofluorobenzene	2176	0	2500		0	63	125				
Surr: Dibromofluoromethane	2404	0	2500		0	69.9	123				
Surr: Toluene-d8	2446	0	2500		0	70	122				

Sample ID: **1708E41-001AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7692591**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3184	270	2675		119	55	143				
Benzene	2578	270	2675		96.4	68.5	128				
Chlorobenzene	2772	270	2675		104	67.7	126				
Toluene	2698	270	2675		101	66.9	128				
Trichloroethene	2683	270	2675		100	60.7	133				
Surr: 4-Bromofluorobenzene	2344	0	2675		87.6	63	125				
Surr: Dibromofluoromethane	2354	0	2675		88.0	69.9	123				
Surr: Toluene-d8	2561	0	2675		95.8	70	122				

Sample ID: **1708E41-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7692592**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	3022	270	2675		113	55	143	3184	5.21	19.3	
Benzene	2535	270	2675		94.8	68.5	128	2578	1.65	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247143**

Sample ID: **1708E41-001AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/17/2017** Run No: **349999**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247143** Analysis Date: **08/17/2017** Seq No: **7692592**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	2779	270	2675		104	67.7	126	2772	0.251	20	
Toluene	2637	270	2675		98.6	66.9	128	2698	2.29	20	
Trichloroethene	2603	270	2675		97.3	60.7	133	2683	3.02	20	
Surr: 4-Bromofluorobenzene	2370	0	2675		88.6	63	125	2344	0	0	
Surr: Dibromofluoromethane	2294	0	2675		85.8	69.9	123	2354	0	0	
Surr: Toluene-d8	2586	0	2675		96.7	70	122	2561	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247229**

Sample ID: **MB-247229** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694995**

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
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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247229**

Sample ID: **MB-247229** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694995**

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	45.60	0	50.00		91.2	63	125				
Surr: Dibromofluoromethane	48.04	0	50.00		96.1	69.9	123				
Surr: Toluene-d8	49.05	0	50.00		98.1	70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: 247229

Sample ID: **LCS-247229** Client ID: Units: **ug/Kg** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694992**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	54.05	5.0	50.00		108	62	142				
Benzene	51.30	5.0	50.00		103	70.2	131				
Chlorobenzene	51.75	5.0	50.00		104	72.9	129				
Toluene	52.09	5.0	50.00		104	70.6	131				
Trichloroethene	51.59	5.0	50.00		103	70.1	136				
Surr: 4-Bromofluorobenzene	45.68	0	50.00		91.4	63	125				
Surr: Dibromofluoromethane	47.22	0	50.00		94.4	69.9	123				
Surr: Toluene-d8	48.32	0	50.00		96.6	70	122				

Sample ID: **1708F66-003AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	71.07	6.6	65.96		108	55	143				
Benzene	68.81	6.6	65.96		104	68.5	128				
Chlorobenzene	67.80	6.6	65.96		103	67.7	126				
Toluene	69.50	6.6	65.96		105	66.9	128				
Trichloroethene	68.19	6.6	65.96		103	60.7	133				
Surr: 4-Bromofluorobenzene	59.79	0	65.96		90.6	63	125				
Surr: Dibromofluoromethane	62.84	0	65.96		95.3	69.9	123				
Surr: Toluene-d8	64.48	0	65.96		97.8	70	122				

Sample ID: **1708F66-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694994**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	70.28	6.6	65.96		107	55	143	71.07	1.12	19.3	
Benzene	67.89	6.6	65.96		103	68.5	128	68.81	1.35	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1708D32

ANALYTICAL QC SUMMARY REPORT

BatchID: **247229**

Sample ID: **1708F66-003AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **08/18/2017** Run No: **350141**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **247229** Analysis Date: **08/18/2017** Seq No: **7694994**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	65.62	6.6	65.96		99.5	67.7	126	67.80	3.26	20	
Toluene	66.41	6.6	65.96		101	66.9	128	69.50	4.54	20	
Trichloroethene	66.04	6.6	65.96		100	60.7	133	68.19	3.20	20	
Surr: 4-Bromofluorobenzene	59.75	0	65.96		90.6	63	125	59.79	0	0	
Surr: Dibromofluoromethane	63.92	0	65.96		96.9	69.9	123	62.84	0	0	
Surr: Toluene-d8	64.75	0	65.96		98.2	70	122	64.48	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		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 15, 2017

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker St.

Dear Felix Nchako: Order No: 1709647

Analytical Environmental Services, Inc. received 9 samples on 9/8/2017 8:03:00 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/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for 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 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

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

AES

CHAIN OF CUSTODY

Work Order: 1709647

Date: 9/6/17 Page 1 of 1

COMPANY: AECom

ADDRESS: 1360 Peachtree St NE Suite 500 Atlanta GA 30309

PHONE: 678-808-8979

EMAIL: felix.nchako@aecom.com

SAMPLED BY: R. Hilliard

SIGNATURE: [signature]

ANALYSIS REQUESTED: PAH-SIM, BTEX

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)	PAH-SIM	BTEX	REMARKS	Number of Containers
1	SW-9	9/6/17	1555	✓		SW	X			2
2	SW-8	9/6/17	1602	✓		SW	X			2
3	SW-6	9/6/17	1610			SW	X			2
4	SW-5	9/6/17	1633			SW	X			2
5	SW-7	9/6/17	1640			SW	X			2
6	SW-2	9/6/17	1652			SW	X			2
7	SW-4	9/6/17	1657			SW	X			2
8	SW-3	9/6/17	1709			SW	X			2
9	SW-1	9/6/17	1716			SW	X			2
10	Trip Blank	—	—			W		X		2
11										
12										
13										
14										

PRESERVATION (see codes)

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	9/8/17 0805	1. [signature]	9/8/17 8:03AM
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: GDOT - Walker St.
PROJECT #: 60440866
SITE ADDRESS: Walker St. Douglas Ga.
SEND REPORT TO: Felix Nchako
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
☒ Standard 5 Business Days
☐ 2 Business Day Rush
☐ Next Business Day Rush
☐ Same-Day Rush (auth req.)
☐ Other _____

STATE PROGRAM (if any): _____
E-mail? ☐ Fax? ☐
DATA PACKAGE: I ○ II ○ III ○ IV ○

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arangements are made.

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client: AECOM
Project: GDOT - Walker St.
Lab ID: 1709647

Case Narrative

Sample Receiving Non-conformance:

Two sets of Trip Blanks were received for BTEX analysis, both Trip Blanks were placed on hold as no other Volatile analysis was requested on the Chain of Custody.

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-9
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 3:55:00 PM
Lab ID:	1709647-001	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 15:44	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 15:44	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 15:44	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 15:44	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 15:44	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 15:44	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 15:44	YH
Surr: 4-Terphenyl-d14	99.4	58.5-125		%REC	248177	1	09/12/2017 15:44	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-8
Project Name:	GDOT - Walker St.	**Collection Date:**	9/8/2017 4:02:00 PM
Lab ID:	1709647-002	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 16:10	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 16:10	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 16:10	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 16:10	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 16:10	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 16:10	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 16:10	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248177	1	09/12/2017 16:10	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-6
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 4:10:00 PM
Lab ID:	1709647-003	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 16:36	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 16:36	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 16:36	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 16:36	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 16:36	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 16:36	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 16:36	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248177	1	09/12/2017 16:36	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-5
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 4:33:00 PM
Lab ID:	1709647-004	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 17:03	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 17:03	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 17:03	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:03	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:03	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 17:03	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 17:03	YH
Surr: 4-Terphenyl-d14	98.3	58.5-125		%REC	248177	1	09/12/2017 17:03	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-7
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 4:40:00 PM
Lab ID:	1709647-005	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 17:29	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 17:29	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 17:29	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:29	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:29	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 17:29	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 17:29	YH
Surr: 4-Terphenyl-d14	117	58.5-125		%REC	248177	1	09/12/2017 17:29	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-2
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 4:52:00 PM
Lab ID:	1709647-006	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 17:54	YH
Chrysene	0.052	0.050		ug/L	248177	1	09/12/2017 17:54	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 17:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 17:54	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 17:54	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 17:54	YH
Surr: 4-Terphenyl-d14	109	58.5-125		%REC	248177	1	09/12/2017 17:54	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-4
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 4:57:00 PM
Lab ID:	1709647-007	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 18:20	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 18:20	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 18:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 18:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 18:20	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 18:20	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 18:20	YH
Surr: 4-Terphenyl-d14	102	58.5-125		%REC	248177	1	09/12/2017 18:20	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-3
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 5:09:00 PM
Lab ID:	1709647-008	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Benz(a)anthracene	BRL	0.050		ug/L	248177	1	09/12/2017 18:47	YH
Chrysene	BRL	0.050		ug/L	248177	1	09/12/2017 18:47	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 18:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 18:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 18:47	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 18:47	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 18:47	YH
Surr: 4-Terphenyl-d14	107	58.5-125		%REC	248177	1	09/12/2017 18:47	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client:	AECOM	**Client Sample ID:**	SW-1
Project Name:	GDOT - Walker St.	**Collection Date:**	9/6/2017 5:16:00 PM
Lab ID:	1709647-009	**Matrix:**	Surface Water

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
2-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
1-Methylnaphthalene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Acenaphthylene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Acenaphthene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Fluorene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Phenanthrene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Anthracene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Pyrene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Benz(a)anthracene	0.055	0.050		ug/L	248177	1	09/12/2017 19:13	YH
Chrysene	0.074	0.050		ug/L	248177	1	09/12/2017 19:13	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248177	1	09/12/2017 19:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 19:13	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248177	1	09/12/2017 19:13	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248177	1	09/12/2017 19:13	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248177	1	09/12/2017 19:13	YH
Surr: 4-Terphenyl-d14	101	58.5-125		%REC	248177	1	09/12/2017 19:13	YH

Qualifiers:

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

Clear | Save as

ANALYTICAL ENVIRONMENTAL SERVICES, INC. AES

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **AECOM** AES Work Order Number: **1709647**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.5 °C Cooler 2 Temperature 0.6 °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 9/8/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ■ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). AJ 9/9/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). AJ 9/9/17

Checklist 6.9.17 Rev 2

Locked

Analytical Environmental Services, Inc

Date: 15-Sep-17

Client: AECOM
Project Name: GDOT - Walker St.
Lab Order: 1709647

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709647-001A	SW-9	9/6/2017 3:55:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-002A	SW-8	9/8/2017 4:02:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-003A	SW-6	9/6/2017 4:10:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-004A	SW-5	9/6/2017 4:33:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-005A	SW-7	9/6/2017 4:40:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-006A	SW-2	9/6/2017 4:52:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-007A	SW-4	9/6/2017 4:57:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-008A	SW-3	9/6/2017 5:09:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017
1709647-009A	SW-1	9/6/2017 5:16:00PM	Surface Water	Polynuclear Aromatic Hydrocarbons		9/12/2017 9:00:00AM	09/12/2017

Client: AECOM
Project Name: GDOT - Walker St.
Workorder: 1709647

ANALYTICAL QC SUMMARY REPORT

BatchID: 248177

Sample ID: **MB-248177** Client ID: Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7736853**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50									
2-Methylnaphthalene	BRL	0.50									
Acenaphthene	BRL	0.50									
Acenaphthylene	BRL	1.0									
Anthracene	BRL	0.050									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	0.10									
Benzo(k)fluoranthene	BRL	0.050									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	0.10									
Fluorene	BRL	0.10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	0.50									
Phenanthrene	BRL	0.050									
Pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	2.251	0	2.000		113	58.5	125				

Sample ID: **LCS-248177** Client ID: Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7736854**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.682	0.50	2.000		84.1	61.8	120				
2-Methylnaphthalene	1.720	0.50	2.000		86.0	59.5	120				
Acenaphthene	1.896	0.50	2.000		94.8	69.1	117				

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: AECOM
Project Name: GDOT - Walker St.
Workorder: 1709647

ANALYTICAL QC SUMMARY REPORT

BatchID: 248177

Sample ID: **LCS-248177** Client ID: Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7736854**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1.810	1.0	2.000		90.5	59.7	118				
Anthracene	1.942	0.050	2.000		97.1	64.7	121				
Benz(a)anthracene	2.159	0.050	2.000		108	61.7	139				
Benzo(a)pyrene	2.049	0.050	2.000		102	65.1	124				
Benzo(b)fluoranthene	2.153	0.10	2.000		108	60.8	129				
Benzo(g,h,i)perylene	1.987	0.10	2.000		99.4	60.1	129				
Benzo(k)fluoranthene	2.246	0.050	2.000		112	69.6	130				
Chrysene	2.295	0.050	2.000		115	76.5	127				
Dibenz(a,h)anthracene	1.916	0.10	2.000		95.8	55.2	126				
Fluoranthene	2.063	0.10	2.000		103	66.5	133				
Fluorene	1.972	0.10	2.000		98.6	66.1	122				
Indeno(1,2,3-cd)pyrene	1.915	0.050	2.000		95.7	58.8	132				
Naphthalene	1.613	0.50	2.000		80.6	60.6	120				
Phenanthrene	2.052	0.050	2.000		103	65.9	118				
Pyrene	2.231	0.050	2.000		112	70.2	129				
Surr: 4-Terphenyl-d14	2.256	0	2.000		113	58.5	125				

Sample ID: **1709647-001AMS** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7739677**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.555	0.50	2.000		77.7	56.9	120				
2-Methylnaphthalene	1.594	0.50	2.000		79.7	54.5	120				
Acenaphthene	1.720	0.50	2.000	0.07970	82.0	49.7	118				
Acenaphthylene	1.623	1.0	2.000		81.1	56.7	120				
Anthracene	1.681	0.050	2.000		84.0	54.4	117				
Benz(a)anthracene	1.901	0.050	2.000		95.0	52.4	135				
Benzo(a)pyrene	1.679	0.050	2.000		84.0	51.5	117				

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: AECOM
Project Name: GDOT - Walker St.
Workorder: 1709647

ANALYTICAL QC SUMMARY REPORT

BatchID: 248177

Sample ID: **1709647-001AMS** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7739677**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.709	0.10	2.000		85.5	45.6	124				
Benzo(g,h,i)perylene	1.461	0.10	2.000		73.1	45.9	120				
Benzo(k)fluoranthene	1.848	0.050	2.000		92.4	51.8	122				
Chrysene	1.934	0.050	2.000		96.7	59.9	120				
Dibenz(a,h)anthracene	1.393	0.10	2.000		69.7	41.6	120				
Fluoranthene	1.869	0.10	2.000	0.02721	92.1	59.7	122				
Fluorene	1.712	0.10	2.000		85.6	57.9	117				
Indeno(1,2,3-cd)pyrene	1.454	0.050	2.000		72.7	45.5	120				
Naphthalene	1.559	0.50	2.000		78.0	53.9	120				
Phenanthrene	1.763	0.050	2.000		88.1	58.1	120				
Pyrene	1.966	0.050	2.000	0.04511	96.1	61.6	120				
Surr: 4-Terphenyl-d14	1.950	0	2.000		97.5	58.5	125				

Sample ID: **1709647-001AMSD** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7739679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.548	0.50	2.000		77.4	56.9	120	1.555	0.434	27.4	
2-Methylnaphthalene	1.593	0.50	2.000		79.7	54.5	120	1.594	0.006	18.8	
Acenaphthene	1.786	0.50	2.000	0.07970	85.3	49.7	118	1.720	3.76	17.4	
Acenaphthylene	1.679	1.0	2.000		83.9	56.7	120	1.623	3.37	19.5	
Anthracene	1.820	0.050	2.000		91.0	54.4	117	1.681	7.98	24.5	
Benz(a)anthracene	2.032	0.050	2.000		102	52.4	135	1.901	6.70	30.2	
Benzo(a)pyrene	1.814	0.050	2.000		90.7	51.5	117	1.679	7.72	25.6	
Benzo(b)fluoranthene	1.858	0.10	2.000		92.9	45.6	124	1.709	8.32	20.9	
Benzo(g,h,i)perylene	1.657	0.10	2.000		82.9	45.9	120	1.461	12.6	28.6	
Benzo(k)fluoranthene	1.947	0.050	2.000		97.4	51.8	122	1.848	5.25	28.6	
Chrysene	2.082	0.050	2.000		104	59.9	120	1.934	7.37	26.4	

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: AECOM
Project Name: GDOT - Walker St.
Workorder: 1709647

ANALYTICAL QC SUMMARY REPORT

BatchID: **248177**

Sample ID: **1709647-001AMSD** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/12/2017** Run No: **351857**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248177** Analysis Date: **09/12/2017** Seq No: **7739679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenz(a,h)anthracene	1.507	0.10	2.000		75.4	41.6	120	1.393	7.86	17.8	
Fluoranthene	1.993	0.10	2.000	0.02721	98.3	59.7	122	1.869	6.41	22.1	
Fluorene	1.804	0.10	2.000		90.2	57.9	117	1.712	5.23	20.8	
Indeno(1,2,3-cd)pyrene	1.580	0.050	2.000		79.0	45.5	120	1.454	8.32	19.3	
Naphthalene	1.537	0.50	2.000		76.8	53.9	120	1.559	1.45	20.6	
Phenanthrene	1.861	0.050	2.000		93.1	58.1	120	1.763	5.45	19.4	
Pyrene	2.063	0.050	2.000	0.04511	101	61.6	120	1.966	4.77	21.2	
Surr: 4-Terphenyl-d14	1.873	0	2.000		93.6	58.5	125	1.950	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		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 28, 2017

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1709L06

Analytical Environmental Services, Inc. received 2 samples on 9/22/2017 5:45:00 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/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for 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 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

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

AES

CHAIN OF CUSTODY

Work Order: 1709106

Date: 9/19/17 Page 1 of 1

COMPANY: AECOM

ADDRESS: 1360 Peachtree St NE Suite 500 Atlanta Ga 30309

PHONE: 404-965-9600

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard

SIGNATURE: R Hilliard

ANALYSIS REQUESTED: 8270C-SIM; 8260-VOCs; Total-1 PD

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)	8270C-SIM	8260-VOCs	Total-1 PD	REMARKS	Number of Containers
1	SB-14 (0-2)	9/19/17	1430	X		SO				HOLD RH	5
2	SB-14 (2-4)	9/19/17	1441	X		SO	X	X	X	~~HOLD~~ RH	5
3	SB-15 (0-2)	9/19/17	1600	X		SO				HOLD RH	5
4	SB-15 (2-4)	9/19/17	1611	X		SO				~~HOLD~~ RH	5
5	SB-16 (0-2)	9/19/17	1632	X		SO				HOLD RH	5
6	SB-16 (2-4)	9/19/17	1639	X		SO				~~HOLD~~ RH	5
7											
8											
9											
10											
11											
12											
13											
14											

PRESERVATION (see codes)

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. R Hilliard	9/22/17 1324	[illegible]	9/22/17 1324
2. [illegible]	9/22/17 1745	2. [illegible]	9/22/17 545
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:
* Hold SB-14 (0-2), SB-15 (0-2), SB-15 (2-4), SB-16 (0-2), SB-16 (2-4)

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

PROJECT INFORMATION
PROJECT NAME: GDOT- Walker Street
PROJECT #: 60448066
SITE ADDRESS: West Walker Street Douglas Ga
SEND REPORT TO: felix.nchako@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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: 28-Sep-17

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1709L06

Case Narrative

Sample Receiving Non-conformance:

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

At the request of Felix Nchako with AECOM via email 9/27/2017 11:24am, only sample SB-14 (2-4) was analyzed per Special Instructions/Comments on the Chain of Custody, and instructions listed in the remarks section were disregarded.

Volatile Organic Compounds Analysis by Method 8260B:

Percent recovery for the internal standard compound 1,4-Dichlorobenzene-d4 on sample 1709L06-002A 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:** 28-Sep-17

Client:	AECOM	**Client Sample ID:**	SB-14 (2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 2:41:00 PM
Lab ID:	1709L06-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
1,1,1-Trichloroethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,1,2,2-Tetrachloroethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,1,2-Trichloroethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,1-Dichloroethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,1-Dichloroethene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2,4-Trichlorobenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2-Dibromo-3-chloropropane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2-Dibromoethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2-Dichlorobenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2-Dichloroethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,2-Dichloropropane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,3-Dichlorobenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
1,4-Dichlorobenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
2-Butanone	BRL	29		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
2-Hexanone	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
4-Methyl-2-pentanone	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Acetone	BRL	58		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Benzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Bromodichloromethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Bromoform	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Bromomethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Carbon disulfide	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Carbon tetrachloride	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Chlorobenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Chloroethane	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Chloroform	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Chloromethane	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
cis-1,2-Dichloroethene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
cis-1,3-Dichloropropene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Cyclohexane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Dibromochloromethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Dichlorodifluoromethane	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Ethylbenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Freon-113	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Isopropylbenzene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
m,p-Xylene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Methyl acetate	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Methyl tert-butyl ether	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Methylcyclohexane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Methylene chloride	BRL	12		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
o-Xylene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Sep-17

Client:	AECOM	**Client Sample ID:**	SB-14 (2-4)
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 2:41:00 PM
Lab ID:	1709L06-002	**Matrix:**	Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5035)**				
Styrene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Tetrachloroethene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Toluene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
trans-1,2-Dichloroethene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
trans-1,3-Dichloropropene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Trichloroethene	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Trichlorofluoromethane	BRL	2.9		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Vinyl chloride	BRL	5.8		ug/Kg-dry	248893	1	09/26/2017 19:58	CJ
Surr: 4-Bromofluorobenzene	82.1	63-125		%REC	248893	1	09/26/2017 19:58	CJ
Surr: Dibromofluoromethane	98.5	69.9-123		%REC	248893	1	09/26/2017 19:58	CJ
Surr: Toluene-d8	95.6	70-122		%REC	248893	1	09/26/2017 19:58	CJ
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**				
1-Methylnaphthalene	BRL	20		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
2-Methylnaphthalene	BRL	20		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Acenaphthene	BRL	20		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Acenaphthylene	BRL	38		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Anthracene	28	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Benz(a)anthracene	70	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Benzo(a)pyrene	68	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Benzo(b)fluoranthene	130	3.8		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Benzo(g,h,i)perylene	58	3.8		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Benzo(k)fluoranthene	100	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Chrysene	95	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Dibenz(a,h)anthracene	5.2	3.8		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Fluoranthene	160	3.8		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Fluorene	6.6	3.8		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Indeno(1,2,3-cd)pyrene	43	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Naphthalene	BRL	20		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Phenanthrene	91	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Pyrene	140	2.0		ug/Kg-dry	248884	1	09/27/2017 15:19	YH
Surr: 4-Terphenyl-d14	88.6	50.2-121		%REC	248884	1	09/27/2017 15:19	YH
METALS, TOTAL SW6010D				**(SW3050B)**				
Lead	26.1	5.17		mg/Kg-dry	248890	1	09/26/2017 20:41	IO
PERCENT MOISTURE D2216								
Percent Moisture	13.0	0		wt%	R352932	1	09/26/2017 13:00	OO

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Sep-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L06-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,1-Dichloroethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,1-Dichloroethene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2-Dibromoethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2-Dichloroethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,2-Dichloropropane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
2-Butanone	BRL	50		ug/L	248938	1	09/26/2017 23:15	NP
2-Hexanone	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
4-Methyl-2-pentanone	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
Acetone	BRL	50		ug/L	248938	1	09/26/2017 23:15	NP
Benzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Bromodichloromethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Bromoform	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Bromomethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Carbon disulfide	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Carbon tetrachloride	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Chlorobenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Chloroethane	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
Chloroform	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Chloromethane	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Cyclohexane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Dibromochloromethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Dichlorodifluoromethane	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
Ethylbenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Freon-113	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
Isopropylbenzene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
m,p-Xylene	BRL	10		ug/L	248938	1	09/26/2017 23:15	NP
Methyl acetate	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Methylcyclohexane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Methylene chloride	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
o-Xylene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 28-Sep-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L06-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Tetrachloroethene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Toluene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Trichloroethene	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Trichlorofluoromethane	BRL	5.0		ug/L	248938	1	09/26/2017 23:15	NP
Vinyl chloride	BRL	2.0		ug/L	248938	1	09/26/2017 23:15	NP
Surr: 4-Bromofluorobenzene	90.5	66.1-129		%REC	248938	1	09/26/2017 23:15	NP
Surr: Dibromofluoromethane	106	83.6-123		%REC	248938	1	09/26/2017 23:15	NP
Surr: Toluene-d8	104	81.8-118		%REC	248938	1	09/26/2017 23:15	NP

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 28-Sep-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SB-14 (2-4)				**Lab ID:** 1709L06-002			
Collection Date: 9/19/2017 2:41:00 PM				**Matrix:** Soil			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3550C)**			
Anthracene	28		0.42	2.0	ug/Kg-dry	248884	1
Benz(a)anthracene	70		1.2	2.0	ug/Kg-dry	248884	1
Benzo(a)pyrene	68		0.43	2.0	ug/Kg-dry	248884	1
Benzo(b)fluoranthene	130		1.1	3.8	ug/Kg-dry	248884	1
Benzo(g,h,i)perylene	58		1.4	3.8	ug/Kg-dry	248884	1
Benzo(k)fluoranthene	100		1.6	2.0	ug/Kg-dry	248884	1
Chrysene	95		1.8	2.0	ug/Kg-dry	248884	1
Dibenz(a,h)anthracene	5.2		0.93	3.8	ug/Kg-dry	248884	1
Fluoranthene	160		1.2	3.8	ug/Kg-dry	248884	1
Fluorene	6.6		0.57	3.8	ug/Kg-dry	248884	1
Indeno(1,2,3-cd)pyrene	43		1.2	2.0	ug/Kg-dry	248884	1
Phenanthrene	91		0.67	2.0	ug/Kg-dry	248884	1
Pyrene	140		1.5	2.0	ug/Kg-dry	248884	1
METALS, TOTAL SW6010D				**(SW3050B)**			
Lead	26.1		0.0699	5.17	mg/Kg-dry	248890	1
PERCENT MOISTURE D2216							
Percent Moisture	13.0		0	0	wt%	R352932	1

Qualifiers:

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

Clear | Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: URS AES Work Order Number: 1709L06

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 4.1 °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). TR 9/22/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ☐ not listed on COC ■	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 9/23/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	●		
29.	Containers meet preservation guidelines?	○	○	●		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 9/23/17

Checklist 6.9.17 Rev 2

Locked

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248884

Sample ID: **MB-248884** Client ID: Units: **ug/Kg** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7765742**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	17									
2-Methylnaphthalene	BRL	17									
Acenaphthene	BRL	17									
Acenaphthylene	BRL	33									
Anthracene	BRL	1.7									
Benz(a)anthracene	BRL	1.7									
Benzo(a)pyrene	BRL	1.7									
Benzo(b)fluoranthene	BRL	3.3									
Benzo(g,h,i)perylene	BRL	3.3									
Benzo(k)fluoranthene	BRL	1.7									
Chrysene	BRL	1.7									
Dibenz(a,h)anthracene	BRL	3.3									
Fluoranthene	BRL	3.3									
Fluorene	BRL	3.3									
Indeno(1,2,3-cd)pyrene	BRL	1.7									
Naphthalene	BRL	17									
Phenanthrene	BRL	1.7									
Pyrene	BRL	1.7									
Surr: 4-Terphenyl-d14	65.96	0	66.70		98.9	50.2	121				

Sample ID: **LCS-248884** Client ID: Units: **ug/Kg** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7765741**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	49.33	17	66.70		74.0	62.8	120				
2-Methylnaphthalene	50.41	17	66.70		75.6	61	120				
Acenaphthene	53.19	17	66.70		79.7	62.4	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248884

Sample ID: **LCS-248884** Client ID: Units: **ug/Kg** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7765741**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	49.51	33	66.70		74.2	60.5	120				
Anthracene	52.73	1.7	66.70		79.1	60	120				
Benz(a)anthracene	57.00	1.7	66.70		85.5	64.9	134				
Benzo(a)pyrene	53.43	1.7	66.70		80.1	60.2	120				
Benzo(b)fluoranthene	56.49	3.3	66.70		84.7	59.5	128				
Benzo(g,h,i)perylene	57.50	3.3	66.70		86.2	62.5	122				
Benzo(k)fluoranthene	63.44	1.7	66.70		95.1	62.8	124				
Chrysene	68.24	1.7	66.70		102	68.8	123				
Dibenz(a,h)anthracene	49.00	3.3	66.70		73.5	60.6	120				
Fluoranthene	59.61	3.3	66.70		89.4	63.9	128				
Fluorene	53.90	3.3	66.70		80.8	61.9	120				
Indeno(1,2,3-cd)pyrene	51.57	1.7	66.70		77.3	60.9	128				
Naphthalene	51.04	17	66.70		76.5	62.4	120				
Phenanthrene	56.73	1.7	66.70		85.1	62.4	120				
Pyrene	64.14	1.7	66.70		96.2	64.1	123				
Surr: 4-Terphenyl-d14	60.10	0	66.70		90.1	50.2	121				

Sample ID: **1709K33-003BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7767603**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	69.47	23	88.43		78.6	45.4	117				
2-Methylnaphthalene	71.51	23	88.43		80.9	55	120				
Acenaphthene	72.59	23	88.43		82.1	58.9	120				
Acenaphthylene	69.48	44	88.43		78.6	49.5	123				
Anthracene	73.64	2.3	88.43		83.3	52.8	121				
Benz(a)anthracene	80.51	2.3	88.43		91.0	56.5	139				
Benzo(a)pyrene	73.39	2.3	88.43		83.0	46.9	123				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248884

Sample ID: **1709K33-003BMS** Client ID: Units: **ug/Kg-dry** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7767603**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	73.95	4.4	88.43		83.6	51.5	129				
Benzo(g,h,i)perylene	71.41	4.4	88.43		80.8	45.8	123				
Benzo(k)fluoranthene	80.96	2.3	88.43		91.5	43.8	121				
Chrysene	84.81	2.3	88.43		95.9	57.4	121				
Dibenz(a,h)anthracene	63.77	4.4	88.43		72.1	43.6	120				
Fluoranthene	79.19	4.4	88.43		89.5	53	135				
Fluorene	74.31	4.4	88.43		84.0	54.7	123				
Indeno(1,2,3-cd)pyrene	67.37	2.3	88.43		76.2	46.3	128				
Naphthalene	70.32	23	88.43		79.5	56.3	120				
Phenanthrene	75.37	2.3	88.43		85.2	43.5	124				
Pyrene	82.63	2.3	88.43		93.4	56.2	121				
Surr: 4-Terphenyl-d14	77.38	0	88.43		87.5	50.2	121				

Sample ID: **1709K33-003BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7767604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	67.82	23	88.43		76.7	45.4	117	69.47	2.39	54.5	
2-Methylnaphthalene	69.16	23	88.43		78.2	55	120	71.51	3.33	61.2	
Acenaphthene	73.78	23	88.43		83.4	58.9	120	72.59	1.64	21.8	
Acenaphthylene	71.17	44	88.43		80.5	49.5	123	69.48	2.40	20.4	
Anthracene	75.02	2.3	88.43		84.8	52.8	121	73.64	1.86	20.5	
Benz(a)anthracene	83.71	2.3	88.43		94.7	56.5	139	80.51	3.89	23.9	
Benzo(a)pyrene	75.11	2.3	88.43		84.9	46.9	123	73.39	2.32	23.1	
Benzo(b)fluoranthene	74.05	4.4	88.43		83.7	51.5	129	73.95	0.139	23.3	
Benzo(g,h,i)perylene	73.21	4.4	88.43		82.8	45.8	123	71.41	2.48	26.1	
Benzo(k)fluoranthene	81.74	2.3	88.43		92.4	43.8	121	80.96	0.960	27.1	
Chrysene	88.32	2.3	88.43		99.9	57.4	121	84.81	4.05	23.1	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: **248884**

Sample ID: **1709K33-003BMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **09/26/2017** Run No: **353039**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248884** Analysis Date: **09/27/2017** Seq No: **7767604**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenz(a,h)anthracene	64.95	4.4	88.43		73.4	43.6	120	63.77	1.83	23.4	
Fluoranthene	81.55	4.4	88.43		92.2	53	135	79.19	2.94	23.4	
Fluorene	76.34	4.4	88.43		86.3	54.7	123	74.31	2.69	26.6	
Indeno(1,2,3-cd)pyrene	68.45	2.3	88.43		77.4	46.3	128	67.37	1.60	25.2	
Naphthalene	66.56	23	88.43		75.3	56.3	120	70.32	5.50	23.3	
Phenanthrene	77.28	2.3	88.43		87.4	43.5	124	75.37	2.50	35	
Pyrene	87.05	2.3	88.43		98.4	56.2	121	82.63	5.20	24	
Surr: 4-Terphenyl-d14	83.01	0	88.43		93.9	50.2	121	77.38	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248890

Sample ID: **MB-248890** Client ID: Units: **mg/Kg** Prep Date: **09/26/2017** Run No: **352979**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248890** Analysis Date: **09/26/2017** Seq No: **7764650**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	BRL	5.00									

Sample ID: **LCS-248890** Client ID: Units: **mg/Kg** Prep Date: **09/26/2017** Run No: **352979**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248890** Analysis Date: **09/26/2017** Seq No: **7764655**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	46.16	5.00	50.00		92.3	80	120				

Sample ID: **1709L69-001AMS** Client ID: Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **352979**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248890** Analysis Date: **09/26/2017** Seq No: **7764662**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	28.24	4.38	43.77	0.08724	64.3	75	125				S

Sample ID: **1709L69-001AMSD** Client ID: Units: **mg/Kg-dry** Prep Date: **09/26/2017** Run No: **352979**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248890** Analysis Date: **09/26/2017** Seq No: **7764663**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	28.23	4.38	43.76	0.08724	64.3	75	125	28.24	0.040	20	S

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: **248893**

Sample ID: **MB-248893** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352876**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761794**

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
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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248893

Sample ID: **MB-248893** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352876**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761794**

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	43.65	0	50.00		87.3	63	125				
Surr: Dibromofluoromethane	48.38	0	50.00		96.8	69.9	123				
Surr: Toluene-d8	48.02	0	50.00		96.0	70	122				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248893

Sample ID: **LCS-248893** Client ID: Units: **ug/Kg** Prep Date: **09/25/2017** Run No: **352876**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761791**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	50.11	5.0	50.00		100	62	142				
Benzene	50.65	5.0	50.00		101	70.2	131				
Chlorobenzene	46.84	5.0	50.00		93.7	72.9	129				
Toluene	49.79	5.0	50.00		99.6	70.6	131				
Trichloroethene	47.21	5.0	50.00		94.4	70.1	136				
Surr: 4-Bromofluorobenzene	42.88	0	50.00		85.8	63	125				
Surr: Dibromofluoromethane	47.38	0	50.00		94.8	69.9	123				
Surr: Toluene-d8	48.11	0	50.00		96.2	70	122				

Sample ID: **1709G83-006AMS** Client ID: Units: **ug/Kg-dry** Prep Date: **09/25/2017** Run No: **352876**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761792**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	73.36	7.2	72.14		102	55	143				
Benzene	75.36	7.2	72.14		104	68.5	128				
Chlorobenzene	67.96	7.2	72.14		94.2	67.7	126				
Toluene	72.76	7.2	72.14		101	66.9	128				
Trichloroethene	71.49	7.2	72.14		99.1	60.7	133				
Surr: 4-Bromofluorobenzene	60.02	0	72.14		83.2	63	125				
Surr: Dibromofluoromethane	67.69	0	72.14		93.8	69.9	123				
Surr: Toluene-d8	69.84	0	72.14		96.8	70	122				

Sample ID: **1709G83-006AMSD** Client ID: Units: **ug/Kg-dry** Prep Date: **09/25/2017** Run No: **352876**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761793**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	75.75	7.2	72.14		105	55	143	73.36	3.21	19.3	
Benzene	76.30	7.2	72.14		106	68.5	128	75.36	1.24	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: **248893**

Sample ID: **1709G83-006AMSD** Client ID:
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B**
Units: **ug/Kg-dry** Prep Date: **09/25/2017** Run No: **352876**
BatchID: **248893** Analysis Date: **09/25/2017** Seq No: **7761793**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	67.79	7.2	72.14		94.0	67.7	126	67.96	0.255	20	
Toluene	72.92	7.2	72.14		101	66.9	128	72.76	0.218	20	
Trichloroethene	72.79	7.2	72.14		101	60.7	133	71.49	1.80	20	
Surr: 4-Bromofluorobenzene	60.33	0	72.14		83.6	63	125	60.02	0	0	
Surr: Dibromofluoromethane	69.39	0	72.14		96.2	69.9	123	67.69	0	0	
Surr: Toluene-d8	69.68	0	72.14		96.6	70	122	69.84	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: **248938**

Sample ID: **MB-248938** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/26/2017** Seq No: **7764463**

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248938

Sample ID: **MB-248938** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/26/2017** Seq No: **7764463**

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	45.68	0	50.00		91.4	66.1	129				
Surr: Dibromofluoromethane	51.97	0	50.00		104	83.6	123				
Surr: Toluene-d8	51.24	0	50.00		102	81.8	118				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: 248938

Sample ID: **LCS-248938** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/26/2017** Seq No: **7764462**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	63.46	5.0	50.00		127	68	139				
Benzene	55.84	5.0	50.00		112	74	125				
Chlorobenzene	48.60	5.0	50.00		97.2	75.7	123				
Toluene	54.97	5.0	50.00		110	75.9	126				
Trichloroethene	48.48	5.0	50.00		97.0	70.6	129				
Surr: 4-Bromofluorobenzene	45.43	0	50.00		90.9	66.1	129				
Surr: Dibromofluoromethane	51.06	0	50.00		102	83.6	123				
Surr: Toluene-d8	50.74	0	50.00		101	81.8	118				

Sample ID: **1709K99-001AMS** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/27/2017** Seq No: **7765220**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	69.21	5.0	50.00		138	64.3	149				
Benzene	56.06	5.0	50.00		112	71.6	132				
Chlorobenzene	48.30	5.0	50.00		96.6	73.1	126				
Toluene	55.12	5.0	50.00		110	72.5	135				
Trichloroethene	50.13	5.0	50.00		100	70.2	132				
Surr: 4-Bromofluorobenzene	45.16	0	50.00		90.3	66.1	129				
Surr: Dibromofluoromethane	52.00	0	50.00		104	83.6	123				
Surr: Toluene-d8	51.51	0	50.00		103	81.8	118				

Sample ID: **1709K99-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/27/2017** Seq No: **7765221**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	70.22	5.0	50.00		140	64.3	149	69.21	1.45	30.8	
Benzene	55.86	5.0	50.00		112	71.6	132	56.06	0.357	20.7	

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L06

ANALYTICAL QC SUMMARY REPORT

BatchID: **248938**

Sample ID: **1709K99-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352973**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **248938** Analysis Date: **09/27/2017** Seq No: **7765221**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	48.48	5.0	50.00		97.0	73.1	126	48.30	0.372	26.6	
Toluene	55.16	5.0	50.00		110	72.5	135	55.12	0.072	23.2	
Trichloroethene	49.49	5.0	50.00		99.0	70.2	132	50.13	1.28	27.7	
Surr: 4-Bromofluorobenzene	46.42	0	50.00		92.8	66.1	129	45.16	0	0	
Surr: Dibromofluoromethane	53.38	0	50.00		107	83.6	123	52.00	0	0	
Surr: Toluene-d8	51.41	0	50.00		103	81.8	118	51.51	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		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

October 03, 2017

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1709L05

Analytical Environmental Services, Inc. received 66 samples on 9/22/2017 5:45:00 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/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions for 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 11/01/17.

These results relate only to the items tested. This report may only be reproduced in full.

If you have any questions regarding these test results, please feel free to call.

Sincerely,

Ioana Pacurar

Ioana Pacurar

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

AES

CHAIN OF CUSTODY

Work Order: 1709L05

Date: 9/18/17 Page 1 of 5

COMPANY: AECOM

ADDRESS: 1360 Peachtree St. NE Suite 500 Atlanta Ga.

PHONE: 404-965-9600

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard, R. McCluel, C. Watson

SIGNATURE:

ANALYSIS REQUESTED: BTEX, 8270C-SIM, 8-RCRA, 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)	BTEX (HI)	8270C-SIM (I)	8-RCRA (N)	8260 (HI)	Number of Containers	REMARKS
1	GW-30I	9/18/17	1814	X		GW	X	X	X		5	
2	GW-3I	9/18/17	1820	X		GW	X	X			4	
3	GW-30S	9/18/17	1905	X		GW	X	X			4	
4	DUP-1	9/18/17	—	X		GW	X	X	X		5	
5	GW-45S	9/19/17	0850	X		GW		X		X	4	
6	GW-12S	9/19/17	0915	X		GW	X	X			4	
7	GW-15I	9/19/17	1031	X		GW	X	X			4	
8	GW-14I	9/19/17	1055	X		GW	X	X			4	
9	GW-12D	9/19/17	1120	X		GW		X			2	
10	GW-14S	9/19/17	1220	X		GW	X	X			4	
11	GW-15S	9/19/17	1242	X		GW	X	X			4	
12	GW-12I	9/19/17	1415	X		GW	X	X			4	
13	GW-12I MS	9/19/17	1415	X		GW	X	X			4	
14	GW-12I MSD	9/19/17	1415	X		GW	X	X			4	

PRESERVATION (see codes): HI, I, N, HI

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/22/17 1745	1.	9/22/17 5:45
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: GDOT-Walker Street
PROJECT #: 60440866
SITE ADDRESS: West Walker Street Douglas, Ga.
SEND REPORT TO: felix.nchako@aecom.com
INVOICE TO: (IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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 ○

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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

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Date: 9/19/17 Page 2 of 5

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EMAIL: ron.hilliard@aecom.com

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ANALYSIS REQUESTED: BTEX; 8270C-SIM; 8-RCRA; 8260

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#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes): ~~HI~~	HI	I	N	HI								REMARKS	Number of Containers
1	GW-23I	9/19/17	1500	X		GW		X	X											4
2	GW-23I MS	9/19/17	1500	X		GW		X	X											4
3	GW-23I MSD	9/19/17	1500	X		GW		X	X											4
4	GW-13S	9/19/17	1520	X		GW			X											2
5	GW-23S	9/19/17	1705	X		GW			X											2
6	GW-42I	9/19/17	1900	X		GW		X	X	X										5
7	GW-20I	9/19/17	1909	X		GW		X	X	X										5
8	DUP-2	9/19/17	—	X		GW		X	X											4
9	GW-46S	9/20/17	0850	X		GW			X		X									4
10	GW-47S	9/20/17	0935	X		GW		X	X											4
11	GW-18I	9/20/17	1105	X		GW			X											2
12	GW-17I	9/20/17	1108	X		GW			X											2
13	GW-18S	9/20/17	1300	X		GW			X											2
14	GW-6D	9/20/17	1328	X		GW			X											2

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/22/17 1745	1.	9/22/17 5:45
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: GDOT-Walker Street
PROJECT #: 60440866
SITE ADDRESS: West Walker Street Douglas GA
SEND REPORT TO: felix.ncheko@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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 ○

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AES

CHAIN OF CUSTODY

Work Order: 1709L05

Date: 9/20/17 Page 3 of 5

COMPANY: AECOM

ADDRESS: 1340 Peachtree St, NE Suite 500 Atlanta GA

PHONE: 404-965-9600

EMAIL: rio.hilliard@aecom.com

SAMPLED BY: R. Hilliard, R. McClure, C. Watson

SIGNATURE:

ANALYSIS REQUESTED: BTEX, 8270C-SIM, 8-RCRA, 8260

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#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	BTEX (HI)	8270C-SIM (I)	8-RCRA (N)	8260 (HI)	REMARKS	Number of Containers
1	GW-43I	9/20/17	1525	X		GW	X	X	X			5
2	GW-6I	9/20/17	1600	X		GW	X	X				4
3	GW-24S	9/20/17	1735	X		GW	X	X				4
4	GW-6S	9/20/17	1830	X		GW	X	X				4
5	~~PH 9/2~~ GW-27S	9/20/17	2118	X		GW	X	X				4
6	DUP-3	9/20/17	—	X		GW	X	X				4
7	GW-11S	9/21/17	0753	X		GW		X				2
8	GW-11I	9/20/17	1320	X		GW	X	X				4
9	PZ-4	9/20/17	1415	X		GW	X	X				4
10	GW-25S	9/21/17	0935	X		GW		X				2
11	GW-32I	9/21/17	1030	X		GW	X	X	X			5
12	GW-31S	9/21/17	1024	X		GW	X	X				4
13	GW-26I	9/20/17	1125	X		GW		X				2
14	GW-26I MS	9/21/17	1125	X		GW		X				2

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/22/17 1745	1.	9/22/17 5:45
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: GDOT-Walker Street
PROJECT #: 60440866
SITE ADDRESS: West Walker Street Douglas, GA
SEND REPORT TO: felix.nchako@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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 ○

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CHAIN OF CUSTODY

Work Order: 1709L05

Date: 9/21/17 Page 4 of 5

COMPANY: AECOM

ADDRESS: 1360 Peachtree St. NE Suite 500 Atlanta GA 30309

PHONE: 404-965-9600

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard, R. McClure, G. Watson

SIGNATURE:

ANALYSIS REQUESTED: BTEX; 8270C-SIM; 8-RCRA; 8260

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#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	BTEX	8270C-SIM	8-RCRA	8260	REMARKS	Number of Containers
							PRESERVATION (see codes)					
							HI	I	N	HI		
1	GW-26 RMSD	9/21/17	1125	X		GW		X				2
2	PZ-3	9/21/17	1321	X		GW	X	X				4
3	PZ-1	9/21/17	1350	X		GW	X	X				4
4	GW-16I	9/21/17	1405	X		GW		X				2
5	PZ-2	9/21/17	1523	X		GW	X	X				4
6	GW-28D	9/21/17	1610	X		GW	X	X				4
7	GW-29I	9/21/17	1630	X		GW	X	X				4
8	GW-28I	9/21/17	1655	X		GW	X	X	X			5
9	GW-20S	9/21/17	1815	X		GW	X	X	X			5
10	GW-1I	9/21/17	1940	X		GW				X		2
11	DUP-4	9/21/17	—	X		GW	X	X				4
12	DUP-5	9/21/17	—	X		GW				X		2
13	GW-27I	9/22/17	0842	X		GW	X	X	X			5
14	GW-33I	9/22/17	0845	X		GW	X	X	X			5

RELINQUISHED BY: DATE/TIME:
1. 9/22/17 1745
2.
3.

RECEIVED BY: DATE/TIME:
1. 9/22/17
2. 5:45
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT - Walker Street
PROJECT #: 60440866
SITE ADDRESS: 210 West Walker St. Douglas, GA
SEND REPORT TO: felix.nchako@aecom.com
INVOICE TO:
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
☒ Standard 5 Business Days
☐ 2 Business Day Rush
☐ Next Business Day Rush
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☐ Other _____

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E-mail? ☐ Fax? ☐
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Date: 9/22/17 Page 5 of 5

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SAMPLED BY: R. Hilliard, R. McClure, C. Watson

SIGNATURE:

ANALYSIS REQUESTED: BTEX; 8270C-SIM; 8-RCRA; 8260-VOCs; 8-RCRA (D,33)

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#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	BTEX (HI)	8270C-SIM (I)	8-RCRA (N)	8260-VOCs (HI)	8-RCRA (N)	REMARKS	Number of Containers
1	GW-29S	9/22/17	0915	X		GW	X	X	X		X		6
2	GW-24I	9/22/17	1049	X		GW	X	X	X				5
3	GW-41S	9/22/17	1050	X		GW	X	X	X				5
4	GW-31I	9/22/17	1140	X		GW	X	X					4
5	GW-44I	9/22/17	1235	X		GW	X	X	X				5
6													
7													
8													
9													
10													
11													
12													
13													
14													

PRESERVATION (see codes): HI, I, N, HI, N

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	9/22/17 1745	1.	9/22/17 1745
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

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

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QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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E-mail? ☐ Fax? ☐
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Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1709L05

Case Narrative

Sample Receiving Non-conformance:

Eleven Trip Blanks were provided, but were not listed on the Chain of Custody. All Trip Blanks were analyzed at no cost to the client.

Metals Analysis by Method SW6010D:

LCS-248808 recovery for Selenium was outside control limits biased high. Target analyte was not detected in the analytical samples and data is reportable with high bias. Sample 1709L05-052C for Pb result was reported as estimated due to suspected matrix interference with sample QC criteria at 0.1 mg/L. All associated batch QC were within limits.

PAH Analysis by Method SW8270D SIM :

Due to sample matrix, sample 1709L05-006B, -017B, -025B, -041B, -047B, -049B, -055B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-30I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/18/2017 6:14:00 PM
Lab ID:	1709L05-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 10:08	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 10:08	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 10:08	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 10:08	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 10:08	JE
Surr: 4-Bromofluorobenzene	83.9	66.1-129		%REC	248982	1	09/27/2017 10:08	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Fluorene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Anthracene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Pyrene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/25/2017 17:05	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/25/2017 17:05	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/25/2017 17:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/25/2017 17:05	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/25/2017 17:05	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/25/2017 17:05	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/25/2017 17:05	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248793	1	09/25/2017 17:05	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 13:37	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:13	JR
Barium	0.0365	0.0200		mg/L	248918	1	09/28/2017 16:13	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:13	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:13	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:13	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:13	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:13	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-3I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/18/2017 6:20:00 PM
Lab ID:	1709L05-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 10:37	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 10:37	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 10:37	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 10:37	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 10:37	JE
Surr: 4-Bromofluorobenzene	83.5	66.1-129		%REC	248982	1	09/27/2017 10:37	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 10:35	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 10:35	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 10:35	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 10:35	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 10:35	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 10:35	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 10:35	YH
Surr: 4-Terphenyl-d14	75.6	58.5-125		%REC	248793	1	09/26/2017 10:35	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-30S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/18/2017 7:05:00 PM
Lab ID:	1709L05-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 11:06	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 11:06	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 11:06	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 11:06	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 11:06	JE
Surr: 4-Bromofluorobenzene	82.7	66.1-129		%REC	248982	1	09/27/2017 11:06	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 11:01	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 11:01	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 11:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:01	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 11:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 11:01	YH
Surr: 4-Terphenyl-d14	99.5	58.5-125		%REC	248793	1	09/26/2017 11:01	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/18/2017
Lab ID:	1709L05-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 11:34	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 11:34	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 11:34	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 11:34	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 11:34	JE
Surr: 4-Bromofluorobenzene	87	66.1-129		%REC	248982	1	09/27/2017 11:34	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 11:28	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 11:28	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 11:28	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:28	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:28	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 11:28	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 11:28	YH
Surr: 4-Terphenyl-d14	102	58.5-125		%REC	248793	1	09/26/2017 11:28	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 13:41	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:16	JR
Barium	0.0324	0.0200		mg/L	248918	1	09/28/2017 16:16	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:16	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:16	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:16	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:16	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:16	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-45S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 8:50:00 AM
Lab ID:	1709L05-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 02:04	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 02:04	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 02:04	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-45S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 8:50:00 AM
Lab ID:	1709L05-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:04	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 02:04	OM
Surr: 4-Bromofluorobenzene	78.4	66.1-129		%REC	249045	1	09/28/2017 02:04	OM
Surr: Dibromofluoromethane	95.1	83.6-123		%REC	249045	1	09/28/2017 02:04	OM
Surr: Toluene-d8	93.6	81.8-118		%REC	249045	1	09/28/2017 02:04	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 11:54	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 11:54	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 11:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 11:54	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 11:54	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 11:54	YH
Surr: 4-Terphenyl-d14	89.7	58.5-125		%REC	248793	1	09/26/2017 11:54	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-12S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 9:15:00 AM
Lab ID:	1709L05-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	17	1.0		ug/L	248982	1	09/27/2017 12:02	JE
Toluene	25	1.0		ug/L	248982	1	09/27/2017 12:02	JE
Ethylbenzene	20	1.0		ug/L	248982	1	09/27/2017 12:02	JE
m,p-Xylene	48	1.0		ug/L	248982	1	09/27/2017 12:02	JE
o-Xylene	40	1.0		ug/L	248982	1	09/27/2017 12:02	JE
Surr: 4-Bromofluorobenzene	88	66.1-129		%REC	248982	1	09/27/2017 12:02	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	4300	50		ug/L	248793	1000	09/28/2017 18:52	YH
2-Methylnaphthalene	51	10		ug/L	248793	100	09/28/2017 16:40	YH
1-Methylnaphthalene	330	10		ug/L	248793	100	09/28/2017 16:40	YH
Acenaphthylene	BRL	10		ug/L	248793	100	09/28/2017 16:40	YH
Acenaphthene	340	10		ug/L	248793	100	09/28/2017 16:40	YH
Fluorene	150	10		ug/L	248793	100	09/28/2017 16:40	YH
Phenanthrene	130	10		ug/L	248793	100	09/28/2017 16:40	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 12:20	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 12:20	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 12:20	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 12:20	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 12:20	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 12:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 12:20	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 12:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 12:20	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 12:20	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 12:20	YH
Surr: 4-Terphenyl-d14	99.6	58.5-125		%REC	248793	1	09/26/2017 12:20	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-15I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 10:31:00 AM
Lab ID:	1709L05-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 12:30	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 12:30	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 12:30	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 12:30	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 12:30	JE
Surr: 4-Bromofluorobenzene	83.4	66.1-129		%REC	248982	1	09/27/2017 12:30	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 12:47	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 12:47	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 12:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 12:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 12:47	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 12:47	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 12:47	YH
Surr: 4-Terphenyl-d14	100	58.5-125		%REC	248793	1	09/26/2017 12:47	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-14I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 10:55:00 AM
Lab ID:	1709L05-008	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 13:55	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 13:55	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 13:55	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 13:55	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 13:55	JE
Surr: 4-Bromofluorobenzene	84.7	66.1-129		%REC	248982	1	09/27/2017 13:55	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 13:13	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 13:13	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 13:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 13:13	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 13:13	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 13:13	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 13:13	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248793	1	09/26/2017 13:13	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-12D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 11:20:00 AM
Lab ID:	1709L05-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 13:40	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 13:40	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 13:40	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 13:40	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 13:40	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 13:40	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 13:40	YH
Surr: 4-Terphenyl-d14	78	58.5-125		%REC	248793	1	09/26/2017 13:40	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-14S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 12:20:00 PM
Lab ID:	1709L05-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/27/2017 14:23	JE
Toluene	BRL	1.0		ug/L	248982	1	09/27/2017 14:23	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/27/2017 14:23	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 14:23	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/27/2017 14:23	JE
Surr: 4-Bromofluorobenzene	85.1	66.1-129		%REC	248982	1	09/27/2017 14:23	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 14:07	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 14:07	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 14:07	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:07	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:07	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 14:07	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 14:07	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248793	1	09/26/2017 14:07	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-15S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 12:42:00 PM
Lab ID:	1709L05-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 01:06	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 01:06	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 01:06	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 01:06	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 01:06	JE
Surr: 4-Bromofluorobenzene	98.2	66.1-129		%REC	248982	1	09/28/2017 01:06	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 14:33	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 14:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 14:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 14:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 14:33	YH
Surr: 4-Terphenyl-d14	97	58.5-125		%REC	248793	1	09/26/2017 14:33	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-12 I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 2:15:00 PM
Lab ID:	1709L05-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 01:33	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 01:33	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 01:33	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 01:33	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 01:33	JE
Surr: 4-Bromofluorobenzene	99.7	66.1-129		%REC	248982	1	09/28/2017 01:33	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 14:59	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 14:59	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 14:59	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:59	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 14:59	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 14:59	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 14:59	YH
Surr: 4-Terphenyl-d14	100	58.5-125		%REC	248793	1	09/26/2017 14:59	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-23I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 3:00:00 PM
Lab ID:	1709L05-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 02:53	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 02:53	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 02:53	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 02:53	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 02:53	JE
Surr: 4-Bromofluorobenzene	98.6	66.1-129		%REC	248982	1	09/28/2017 02:53	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 15:26	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 15:26	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 15:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 15:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 15:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 15:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 15:26	YH
Surr: 4-Terphenyl-d14	94.2	58.5-125		%REC	248793	1	09/26/2017 15:26	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-13S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 3:20:00 PM
Lab ID:	1709L05-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Acenaphthene	16	10		ug/L	248793	100	09/29/2017 16:56	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 15:53	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 15:53	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 15:53	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 15:53	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 15:53	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 15:53	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 15:53	YH
Surr: 4-Terphenyl-d14	87.8	58.5-125		%REC	248793	1	09/26/2017 15:53	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-23S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 5:05:00 PM
Lab ID:	1709L05-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 16:19	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 16:19	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 16:19	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 16:19	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 16:19	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 16:19	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 16:19	YH
Surr: 4-Terphenyl-d14	94.3	58.5-125		%REC	248793	1	09/26/2017 16:19	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-42I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 7:00:00 PM
Lab ID:	1709L05-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 04:14	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 04:14	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 04:14	JE
m,p-Xylene	1.7	1.0		ug/L	248982	1	09/28/2017 04:14	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 04:14	JE
Surr: 4-Bromofluorobenzene	108	66.1-129		%REC	248982	1	09/28/2017 04:14	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	650	10		ug/L	248793	100	09/29/2017 14:04	YH
2-Methylnaphthalene	39	10		ug/L	248793	100	09/29/2017 14:04	YH
1-Methylnaphthalene	50	10		ug/L	248793	100	09/29/2017 14:04	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Acenaphthene	62	10		ug/L	248793	100	09/29/2017 14:04	YH
Fluorene	28	10		ug/L	248793	100	09/29/2017 14:04	YH
Phenanthrene	30	10		ug/L	248793	100	09/29/2017 14:04	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 16:45	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 16:45	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 16:45	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 16:45	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 16:45	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 16:45	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 16:45	YH
Surr: 4-Terphenyl-d14	106	58.5-125		%REC	248793	1	09/26/2017 16:45	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 13:44	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:19	JR
Barium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:19	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:19	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:19	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:19	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:19	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:19	JR

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-20I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017 7:09:00 PM
Lab ID:	1709L05-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 04:40	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 04:40	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 04:40	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 04:40	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 04:40	JE
Surr: 4-Bromofluorobenzene	98.7	66.1-129		%REC	248982	1	09/28/2017 04:40	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	110	10		ug/L	248793	100	09/28/2017 17:32	YH
2-Methylnaphthalene	11	10		ug/L	248793	100	09/28/2017 17:32	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	100	09/28/2017 17:32	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Acenaphthene	BRL	1000		ug/L	248793	100	09/28/2017 17:32	YH
Fluorene	BRL	1000		ug/L	248793	100	09/28/2017 17:32	YH
Phenanthrene	12	10		ug/L	248793	100	09/28/2017 17:32	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 17:10	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 17:10	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 17:10	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 17:10	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 17:10	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 17:10	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 17:10	YH
Surr: 4-Terphenyl-d14	105	58.5-125		%REC	248793	1	09/26/2017 17:10	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 13:47	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:23	JR
Barium	0.0236	0.0200		mg/L	248918	1	09/28/2017 16:23	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:23	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:23	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:23	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:23	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:23	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/19/2017
Lab ID:	1709L05-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 05:07	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 05:07	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 05:07	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 05:07	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 05:07	JE
Surr: 4-Bromofluorobenzene	97.8	66.1-129		%REC	248982	1	09/28/2017 05:07	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	170	10		ug/L	248793	100	09/28/2017 17:59	YH
2-Methylnaphthalene	23	10		ug/L	248793	100	09/28/2017 17:59	YH
1-Methylnaphthalene	17	10		ug/L	248793	100	09/28/2017 17:59	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Acenaphthene	16	10		ug/L	248793	100	09/28/2017 17:59	YH
Fluorene	14	10		ug/L	248793	100	09/28/2017 17:59	YH
Phenanthrene	20	10		ug/L	248793	100	09/28/2017 17:59	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 17:35	YH
Chrysene	0.060	0.050		ug/L	248793	1	09/26/2017 17:35	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 17:35	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 17:35	YH
Indeno(1,2,3-cd)pyrene	0.055	0.050		ug/L	248793	1	09/26/2017 17:35	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 17:35	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 17:35	YH
Surr: 4-Terphenyl-d14	100	58.5-125		%REC	248793	1	09/26/2017 17:35	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-46S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 8:50:00 AM
Lab ID:	1709L05-019	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 02:30	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 02:30	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 02:30	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-46S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 8:50:00 AM
Lab ID:	1709L05-019	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:30	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 02:30	OM
Surr: 4-Bromofluorobenzene	77.1	66.1-129		%REC	249045	1	09/28/2017 02:30	OM
Surr: Dibromofluoromethane	91.4	83.6-123		%REC	249045	1	09/28/2017 02:30	OM
Surr: Toluene-d8	93.3	81.8-118		%REC	249045	1	09/28/2017 02:30	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
2-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
1-Methylnaphthalene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Acenaphthene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Fluorene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Phenanthrene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Anthracene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Pyrene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Benz(a)anthracene	BRL	0.050		ug/L	248793	1	09/26/2017 18:02	YH
Chrysene	BRL	0.050		ug/L	248793	1	09/26/2017 18:02	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248793	1	09/26/2017 18:02	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 18:02	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 18:02	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 18:02	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 18:02	YH
Surr: 4-Terphenyl-d14	109	58.5-125		%REC	248793	1	09/26/2017 18:02	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-47S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 9:35:00 AM
Lab ID:	1709L05-020	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 05:34	JE
Toluene	1.4	1.0		ug/L	248982	1	09/28/2017 05:34	JE
Ethylbenzene	1.6	1.0		ug/L	248982	1	09/28/2017 05:34	JE
m,p-Xylene	3.1	1.0		ug/L	248982	1	09/28/2017 05:34	JE
o-Xylene	1.9	1.0		ug/L	248982	1	09/28/2017 05:34	JE
Surr: 4-Bromofluorobenzene	107	66.1-129		%REC	248982	1	09/28/2017 05:34	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	1800	100		ug/L	248793	1000	09/29/2017 15:07	YH
2-Methylnaphthalene	1400	100		ug/L	248793	1000	09/29/2017 15:07	YH
1-Methylnaphthalene	730	10		ug/L	248793	100	09/28/2017 18:25	YH
Acenaphthylene	BRL	10		ug/L	248793	1	09/26/2017 18:28	YH
Acenaphthene	710	10		ug/L	248793	100	09/28/2017 18:25	YH
Fluorene	370	10		ug/L	248793	100	09/28/2017 18:25	YH
Phenanthrene	310	10		ug/L	248793	100	09/28/2017 18:25	YH
Anthracene	15	10		ug/L	248793	100	09/28/2017 18:25	YH
Fluoranthene	33	10		ug/L	248793	100	09/28/2017 18:25	YH
Pyrene	23	10		ug/L	248793	100	09/28/2017 18:25	YH
Benz(a)anthracene	0.94	0.050		ug/L	248793	1	09/26/2017 18:28	YH
Chrysene	1.0	0.050		ug/L	248793	1	09/26/2017 18:28	YH
Benzo(b)fluoranthene	0.11	0.10		ug/L	248793	1	09/26/2017 18:28	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248793	1	09/26/2017 18:28	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 18:28	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248793	1	09/26/2017 18:28	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248793	1	09/26/2017 18:28	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248793	1	09/26/2017 18:28	YH
Surr: 4-Terphenyl-d14	97.3	58.5-125		%REC	248793	1	09/26/2017 18:28	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-18I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 11:05:00 AM
Lab ID:	1709L05-021	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 00:22	RF
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 00:22	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 00:22	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 00:22	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 00:22	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 00:22	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 00:22	RF
Surr: 4-Terphenyl-d14	90.1	58.5-125		%REC	248797	1	09/27/2017 00:22	RF

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-17I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 11:08:00 AM
Lab ID:	1709L05-022	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 15:45	YH
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 15:45	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 15:45	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 15:45	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 15:45	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 15:45	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 15:45	YH
Surr: 4-Terphenyl-d14	88.9	58.5-125		%REC	248797	1	09/27/2017 15:45	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-18S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 1:00:00 PM
Lab ID:	1709L05-023	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 16:11	YH
Chrysene	0.063	0.050		ug/L	248797	1	09/27/2017 16:11	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 16:11	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 16:11	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 16:11	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 16:11	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 16:11	YH
Surr: 4-Terphenyl-d14	90.6	58.5-125		%REC	248797	1	09/27/2017 16:11	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-6D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 1:28:00 PM
Lab ID:	1709L05-024	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 17:29	YH
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 17:29	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 17:29	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 17:29	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 17:29	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 17:29	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 17:29	YH
Surr: 4-Terphenyl-d14	97.6	58.5-125		%REC	248797	1	09/27/2017 17:29	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-43I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 3:25:00 PM
Lab ID:	1709L05-025	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:00	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 06:00	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:00	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:00	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:00	JE
Surr: 4-Bromofluorobenzene	109	66.1-129		%REC	248982	1	09/28/2017 06:00	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	120	10		ug/L	248797	100	09/29/2017 16:03	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
1-Methylnaphthalene	20	10		ug/L	248797	100	09/29/2017 16:03	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Fluorene	BRL	10		ug/L	248797	100	09/29/2017 16:03	YH
Phenanthrene	20	10		ug/L	248797	100	09/29/2017 16:03	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 17:54	YH
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 17:54	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 17:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 17:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 17:54	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 17:54	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 17:54	YH
Surr: 4-Terphenyl-d14	94	58.5-125		%REC	248797	1	09/27/2017 17:54	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 13:57	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:32	JR
Barium	0.0625	0.0200		mg/L	248918	1	09/28/2017 16:32	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:32	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:32	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:32	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:32	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:32	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-6I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 4:00:00 PM
Lab ID:	1709L05-026	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:27	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 06:27	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:27	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:27	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:27	JE
Surr: 4-Bromofluorobenzene	102	66.1-129		%REC	248982	1	09/28/2017 06:27	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 18:20	YH
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 18:20	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 18:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 18:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 18:20	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 18:20	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 18:20	YH
Surr: 4-Terphenyl-d14	92.4	58.5-125		%REC	248797	1	09/27/2017 18:20	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-24S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 5:35:00 PM
Lab ID:	1709L05-027	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:54	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 06:54	JE
Ethylbenzene	BRL	1.0		ug/L	248982	1	09/28/2017 06:54	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:54	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 06:54	JE
Surr: 4-Bromofluorobenzene	96.7	66.1-129		%REC	248982	1	09/28/2017 06:54	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
2-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
1-Methylnaphthalene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Acenaphthylene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Acenaphthene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Fluorene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Phenanthrene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Anthracene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Pyrene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Benz(a)anthracene	BRL	0.050		ug/L	248797	1	09/27/2017 18:46	YH
Chrysene	BRL	0.050		ug/L	248797	1	09/27/2017 18:46	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248797	1	09/27/2017 18:46	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 18:46	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248797	1	09/27/2017 18:46	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248797	1	09/27/2017 18:46	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248797	1	09/27/2017 18:46	YH
Surr: 4-Terphenyl-d14	90.3	58.5-125		%REC	248797	1	09/27/2017 18:46	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-6S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 6:30:00 PM
Lab ID:	1709L05-028	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	3.6	1.0		ug/L	248982	1	09/28/2017 07:21	JE
Toluene	BRL	1.0		ug/L	248982	1	09/28/2017 07:21	JE
Ethylbenzene	2.6	1.0		ug/L	248982	1	09/28/2017 07:21	JE
m,p-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 07:21	JE
o-Xylene	BRL	1.0		ug/L	248982	1	09/28/2017 07:21	JE
Surr: 4-Bromofluorobenzene	104	66.1-129		%REC	248982	1	09/28/2017 07:21	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Acenaphthene	24	1.0		ug/L	248887	10	09/27/2017 13:14	RF
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 02:43	RF
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 02:43	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 02:43	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 02:43	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 02:43	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 02:43	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 02:43	RF
Surr: 4-Terphenyl-d14	86.8	58.5-125		%REC	248887	1	09/27/2017 02:43	RF

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-27S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 9:18:00 PM
Lab ID:	1709L05-029	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/26/2017 22:22	OM
Toluene	BRL	1.0		ug/L	248919	1	09/26/2017 22:22	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/26/2017 22:22	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 22:22	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 22:22	OM
Surr: 4-Bromofluorobenzene	80.3	66.1-129		%REC	248919	1	09/26/2017 22:22	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 03:06	RF
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 03:06	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 03:06	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 03:06	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 03:06	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 03:06	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 03:06	RF
Surr: 4-Terphenyl-d14	86.8	58.5-125		%REC	248887	1	09/27/2017 03:06	RF

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017
Lab ID:	1709L05-030	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	3.6	1.0		ug/L	248919	1	09/26/2017 22:47	OM
Toluene	BRL	1.0		ug/L	248919	1	09/26/2017 22:47	OM
Ethylbenzene	2.9	1.0		ug/L	248919	1	09/26/2017 22:47	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 22:47	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 22:47	OM
Surr: 4-Bromofluorobenzene	80.7	66.1-129		%REC	248919	1	09/26/2017 22:47	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Acenaphthene	21	1.0		ug/L	248887	10	09/27/2017 12:51	RF
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 03:30	RF
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 03:30	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 03:30	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 03:30	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 03:30	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 03:30	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 03:30	RF
Surr: 4-Terphenyl-d14	78.8	58.5-125		%REC	248887	1	09/27/2017 03:30	RF

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-11S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 7:53:00 AM
Lab ID:	1709L05-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Benz(a)anthracene	0.14	0.050		ug/L	248887	1	09/27/2017 19:11	YH
Chrysene	0.28	0.050		ug/L	248887	1	09/27/2017 19:11	YH
Benzo(b)fluoranthene	0.38	0.10		ug/L	248887	1	09/27/2017 19:11	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Benzo(a)pyrene	0.17	0.050		ug/L	248887	1	09/27/2017 19:11	YH
Indeno(1,2,3-cd)pyrene	0.14	0.050		ug/L	248887	1	09/27/2017 19:11	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 19:11	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 19:11	YH
Surr: 4-Terphenyl-d14	94.8	58.5-125		%REC	248887	1	09/27/2017 19:11	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-11I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 1:20:00 PM
Lab ID:	1709L05-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	5.8	1.0		ug/L	248919	1	09/26/2017 23:14	OM
Toluene	BRL	1.0		ug/L	248919	1	09/26/2017 23:14	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/26/2017 23:14	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 23:14	OM
o-Xylene	1.2	1.0		ug/L	248919	1	09/26/2017 23:14	OM
Surr: 4-Bromofluorobenzene	82.4	66.1-129		%REC	248919	1	09/26/2017 23:14	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	610	10		ug/L	248887	100	09/27/2017 12:28	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
1-Methylnaphthalene	48	10		ug/L	248887	100	09/27/2017 12:28	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Acenaphthene	23	10		ug/L	248887	100	09/27/2017 12:28	RF
Fluorene	36	10		ug/L	248887	100	09/27/2017 12:28	RF
Phenanthrene	20	10		ug/L	248887	100	09/27/2017 12:28	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Benz(a)anthracene	0.057	0.050		ug/L	248887	1	09/27/2017 03:53	RF
Chrysene	0.092	0.050		ug/L	248887	1	09/27/2017 03:53	RF
Benzo(b)fluoranthene	0.13	0.10		ug/L	248887	1	09/27/2017 03:53	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Benzo(a)pyrene	0.079	0.050		ug/L	248887	1	09/27/2017 03:53	RF
Indeno(1,2,3-cd)pyrene	0.10	0.050		ug/L	248887	1	09/27/2017 03:53	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 03:53	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 03:53	RF
Surr: 4-Terphenyl-d14	93.4	58.5-125		%REC	248887	1	09/27/2017 03:53	RF

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	PZ-4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/20/2017 2:15:00 PM
Lab ID:	1709L05-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/26/2017 23:40	OM
Toluene	BRL	1.0		ug/L	248919	1	09/26/2017 23:40	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/26/2017 23:40	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 23:40	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/26/2017 23:40	OM
Surr: 4-Bromofluorobenzene	78.1	66.1-129		%REC	248919	1	09/26/2017 23:40	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 04:16	RF
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 04:16	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 04:16	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 04:16	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 04:16	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 04:16	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 04:16	RF
Surr: 4-Terphenyl-d14	89	58.5-125		%REC	248887	1	09/27/2017 04:16	RF

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-25S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 9:35:00 AM
Lab ID:	1709L05-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 19:36	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 19:36	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 19:36	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 19:36	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 19:36	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 19:36	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 19:36	YH
Surr: 4-Terphenyl-d14	95.8	58.5-125		%REC	248887	1	09/27/2017 19:36	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-32I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 10:30:00 AM
Lab ID:	1709L05-035	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:06	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 00:06	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:06	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:06	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:06	OM
Surr: 4-Bromofluorobenzene	81.1	66.1-129		%REC	248919	1	09/27/2017 00:06	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	1000		ug/L	248887	100	09/29/2017 16:29	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 20:01	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 20:01	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 20:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 20:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 20:01	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 20:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 20:01	YH
Surr: 4-Terphenyl-d14	96.9	58.5-125		%REC	248887	1	09/27/2017 20:01	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:00	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:36	JR
Barium	0.0884	0.0200		mg/L	248918	1	09/28/2017 16:36	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:36	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:36	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:36	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:36	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:36	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-31S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 10:24:00 AM
Lab ID:	1709L05-036	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:32	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 00:32	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:32	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:32	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:32	OM
Surr: 4-Bromofluorobenzene	79.8	66.1-129		%REC	248919	1	09/27/2017 00:32	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 20:26	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 20:26	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 20:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 20:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 20:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 20:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 20:26	YH
Surr: 4-Terphenyl-d14	81.1	58.5-125		%REC	248887	1	09/27/2017 20:26	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-26I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 11:25:00 AM
Lab ID:	1709L05-037	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Acenaphthylene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Acenaphthene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Fluorene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Phenanthrene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Anthracene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Pyrene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/27/2017 01:32	RF
Chrysene	BRL	0.050		ug/L	248887	1	09/27/2017 01:32	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/27/2017 01:32	RF
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 01:32	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/27/2017 01:32	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/27/2017 01:32	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/27/2017 01:32	RF
Surr: 4-Terphenyl-d14	83.6	58.5-125		%REC	248887	1	09/27/2017 01:32	RF

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	PZ-3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 1:21:00 PM
Lab ID:	1709L05-038	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:58	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 00:58	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 00:58	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:58	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 00:58	OM
Surr: 4-Bromofluorobenzene	79.7	66.1-129		%REC	248919	1	09/27/2017 00:58	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 14:51	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 14:51	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 14:51	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 14:51	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 14:51	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 14:51	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 14:51	YH
Surr: 4-Terphenyl-d14	80.4	58.5-125		%REC	248887	1	09/28/2017 14:51	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	PZ-1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 1:50:00 PM
Lab ID:	1709L05-039	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 01:24	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 01:24	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 01:24	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 01:24	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 01:24	OM
Surr: 4-Bromofluorobenzene	76.8	66.1-129		%REC	248919	1	09/27/2017 01:24	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 15:19	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 15:19	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 15:19	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 15:19	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 15:19	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 15:19	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 15:19	YH
Surr: 4-Terphenyl-d14	93.2	58.5-125		%REC	248887	1	09/28/2017 15:19	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-16I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 2:05:00 PM
Lab ID:	1709L05-040	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 15:47	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 15:47	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 15:47	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 15:47	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 15:47	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 15:47	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 15:47	YH
Surr: 4-Terphenyl-d14	95.8	58.5-125		%REC	248887	1	09/28/2017 15:47	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	PZ-2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 3:23:00 PM
Lab ID:	1709L05-041	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 01:50	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 01:50	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 01:50	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 01:50	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 01:50	OM
Surr: 4-Bromofluorobenzene	80.2	66.1-129		%REC	248919	1	09/27/2017 01:50	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Fluoranthene	BRL	10		ug/L	248887	100	09/29/2017 18:40	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Benz(a)anthracene	0.15	0.050		ug/L	248887	1	09/28/2017 16:13	YH
Chrysene	0.12	0.050		ug/L	248887	1	09/28/2017 16:13	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 16:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 16:13	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 16:13	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 16:13	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 16:13	YH
Surr: 4-Terphenyl-d14	102	58.5-125		%REC	248887	1	09/28/2017 16:13	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-28D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 4:10:00 PM
Lab ID:	1709L05-042	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 03:33	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 03:33	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 03:33	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 03:33	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 03:33	OM
Surr: 4-Bromofluorobenzene	78.5	66.1-129		%REC	248919	1	09/27/2017 03:33	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 09:35	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 09:35	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 09:35	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 09:35	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 09:35	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 09:35	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 09:35	YH
Surr: 4-Terphenyl-d14	89.8	58.5-125		%REC	248887	1	09/28/2017 09:35	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-29I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 4:30:00 PM
Lab ID:	1709L05-043	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 02:16	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 02:16	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 02:16	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 02:16	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 02:16	OM
Surr: 4-Bromofluorobenzene	79.6	66.1-129		%REC	248919	1	09/27/2017 02:16	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Phenanthrene	11	10		ug/L	248887	100	09/28/2017 20:09	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 10:02	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 10:02	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 10:02	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:02	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:02	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 10:02	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 10:02	YH
Surr: 4-Terphenyl-d14	95.4	58.5-125		%REC	248887	1	09/28/2017 10:02	YH

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-28I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 4:55:00 PM
Lab ID:	1709L05-044	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:00	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 04:00	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:00	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:00	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:00	OM
Surr: 4-Bromofluorobenzene	78.3	66.1-129		%REC	248919	1	09/27/2017 04:00	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 10:31	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 10:31	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 10:31	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:31	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:31	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 10:31	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 10:31	YH
Surr: 4-Terphenyl-d14	100	58.5-125		%REC	248887	1	09/28/2017 10:31	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:04	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:39	JR
Barium	0.0433	0.0200		mg/L	248918	1	09/28/2017 16:39	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:39	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:39	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:39	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:39	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:39	JR

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-20S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 6:15:00 PM
Lab ID:	1709L05-045	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:26	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 04:26	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:26	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:26	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:26	OM
Surr: 4-Bromofluorobenzene	78.1	66.1-129		%REC	248919	1	09/27/2017 04:26	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Acenaphthene	23	10		ug/L	248887	100	09/28/2017 20:35	YH
Fluorene	25	10		ug/L	248887	100	09/28/2017 20:35	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Benz(a)anthracene	BRL	0.050		ug/L	248887	1	09/28/2017 10:54	YH
Chrysene	BRL	0.050		ug/L	248887	1	09/28/2017 10:54	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 10:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 10:54	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 10:54	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 10:54	YH
Surr: 4-Terphenyl-d14	103	58.5-125		%REC	248887	1	09/28/2017 10:54	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:07	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:42	JR
Barium	0.149	0.0200		mg/L	248918	1	09/28/2017 16:42	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:42	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:42	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:42	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:42	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:42	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-1I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 7:40:00 PM
Lab ID:	1709L05-046	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2-Dichloroethane	10	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 01:39	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 01:39	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 01:39	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-1I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017 7:40:00 PM
Lab ID:	1709L05-046	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 01:39	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 01:39	OM
Surr: 4-Bromofluorobenzene	73.8	66.1-129		%REC	249045	1	09/28/2017 01:39	OM
Surr: Dibromofluoromethane	94.7	83.6-123		%REC	249045	1	09/28/2017 01:39	OM
Surr: Toluene-d8	93.7	81.8-118		%REC	249045	1	09/28/2017 01:39	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017
Lab ID:	1709L05-047	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:51	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 04:51	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 04:51	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:51	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 04:51	OM
Surr: 4-Bromofluorobenzene	79.7	66.1-129		%REC	248919	1	09/27/2017 04:51	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
2-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
1-Methylnaphthalene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Acenaphthene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Fluorene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Phenanthrene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Anthracene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Fluoranthene	BRL	10		ug/L	248887	100	09/29/2017 11:22	YH
Pyrene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Benz(a)anthracene	0.13	0.050		ug/L	248887	1	09/28/2017 11:20	YH
Chrysene	0.11	0.050		ug/L	248887	1	09/28/2017 11:20	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 11:20	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 11:20	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 11:20	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 11:20	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 11:20	YH
Surr: 4-Terphenyl-d14	95.4	58.5-125		%REC	248887	1	09/28/2017 11:20	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017
Lab ID:	1709L05-048	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2-Dichloroethane	11	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 02:57	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 02:57	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 02:57	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	DUP-5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/21/2017
Lab ID:	1709L05-048	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 02:57	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 02:57	OM
Surr: 4-Bromofluorobenzene	69.6	66.1-129		%REC	249045	1	09/28/2017 02:57	OM
Surr: Dibromofluoromethane	95.2	83.6-123		%REC	249045	1	09/28/2017 02:57	OM
Surr: Toluene-d8	95	81.8-118		%REC	249045	1	09/28/2017 02:57	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-27I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 8:42:00 AM
Lab ID:	1709L05-049	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	6.7	1.0		ug/L	248919	1	09/27/2017 05:17	OM
Toluene	28	1.0		ug/L	248919	1	09/27/2017 05:17	OM
Ethylbenzene	14	1.0		ug/L	248919	1	09/27/2017 05:17	OM
m,p-Xylene	39	1.0		ug/L	248919	1	09/27/2017 05:17	OM
o-Xylene	15	1.0		ug/L	248919	1	09/27/2017 05:17	OM
Surr: 4-Bromofluorobenzene	85.5	66.1-129		%REC	248919	1	09/27/2017 05:17	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	2700	100		ug/L	248887	1000	09/29/2017 17:22	YH
2-Methylnaphthalene	430	10		ug/L	248887	100	09/29/2017 11:49	YH
1-Methylnaphthalene	260	10		ug/L	248887	100	09/29/2017 11:49	YH
Acenaphthylene	BRL	10		ug/L	248887	1	09/28/2017 11:46	YH
Acenaphthene	350	10		ug/L	248887	100	09/29/2017 11:49	YH
Fluorene	200	10		ug/L	248887	100	09/29/2017 11:49	YH
Phenanthrene	170	10		ug/L	248887	100	09/29/2017 11:49	YH
Anthracene	10	10		ug/L	248887	100	09/29/2017 11:49	YH
Fluoranthene	16	10		ug/L	248887	100	09/29/2017 11:49	YH
Pyrene	BRL	10		ug/L	248887	100	09/29/2017 11:49	YH
Benz(a)anthracene	0.35	0.050		ug/L	248887	1	09/28/2017 11:46	YH
Chrysene	0.36	0.050		ug/L	248887	1	09/28/2017 11:46	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248887	1	09/28/2017 11:46	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248887	1	09/28/2017 11:46	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 11:46	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248887	1	09/28/2017 11:46	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248887	1	09/28/2017 11:46	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248887	1	09/28/2017 11:46	YH
Surr: 4-Terphenyl-d14	99.1	58.5-125		%REC	248887	1	09/28/2017 11:46	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:10	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:45	JR
Barium	0.104	0.0200		mg/L	248918	1	09/28/2017 16:45	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:45	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:45	JR
Lead	0.0250	0.0100		mg/L	248918	1	09/28/2017 16:45	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:45	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:45	JR

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-33I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 8:45:00 AM
Lab ID:	1709L05-050	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 05:43	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 05:43	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 05:43	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 05:43	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 05:43	OM
Surr: 4-Bromofluorobenzene	81.6	66.1-129		%REC	248919	1	09/27/2017 05:43	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
2-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
1-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Acenaphthylene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Acenaphthene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Fluorene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Phenanthrene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Anthracene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Pyrene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Benz(a)anthracene	BRL	0.050		ug/L	248952	1	09/28/2017 12:12	YH
Chrysene	BRL	0.050		ug/L	248952	1	09/28/2017 12:12	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248952	1	09/28/2017 12:12	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 12:12	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 12:12	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 12:12	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 12:12	YH
Surr: 4-Terphenyl-d14	92.5	58.5-125		%REC	248952	1	09/28/2017 12:12	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:14	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:49	JR
Barium	0.0612	0.0200		mg/L	248918	1	09/28/2017 16:49	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:49	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:49	JR
Lead	0.0101	0.0100		mg/L	248918	1	09/28/2017 16:49	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:49	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:49	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-29S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 9:15:00 AM
Lab ID:	1709L05-051	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	11	1.0		ug/L	248919	1	09/27/2017 06:08	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 06:08	OM
Ethylbenzene	7.2	1.0		ug/L	248919	1	09/27/2017 06:08	OM
m,p-Xylene	2.4	1.0		ug/L	248919	1	09/27/2017 06:08	OM
o-Xylene	4.2	1.0		ug/L	248919	1	09/27/2017 06:08	OM
Surr: 4-Bromofluorobenzene	83.5	66.1-129		%REC	248919	1	09/27/2017 06:08	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	180	10		ug/L	248952	100	09/29/2017 12:16	YH
2-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
1-Methylnaphthalene	12	10		ug/L	248952	100	09/29/2017 12:16	YH
Acenaphthylene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Acenaphthene	14	10		ug/L	248952	100	09/29/2017 12:16	YH
Fluorene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Phenanthrene	12	10		ug/L	248952	100	09/29/2017 12:16	YH
Anthracene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Pyrene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Benz(a)anthracene	0.30	0.050		ug/L	248952	1	09/28/2017 12:38	YH
Chrysene	0.34	0.050		ug/L	248952	1	09/28/2017 12:38	YH
Benzo(b)fluoranthene	0.12	0.10		ug/L	248952	1	09/28/2017 12:38	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Benzo(a)pyrene	0.054	0.050		ug/L	248952	1	09/28/2017 12:38	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 12:38	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 12:38	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 12:38	YH
Surr: 4-Terphenyl-d14	5.72	58.5-125	S	%REC	248952	1	09/28/2017 12:38	YH
METALS, DISSOLVED SW6010D				**(SW3005A)**				
Arsenic	BRL	0.0500		mg/L	248808	1	09/27/2017 13:38	JR
Barium	0.190	0.0200		mg/L	248808	1	09/27/2017 13:38	JR
Cadmium	BRL	0.0050		mg/L	248808	1	09/27/2017 13:38	JR
Chromium	BRL	0.0100		mg/L	248808	1	09/27/2017 13:38	JR
Lead	0.0715	0.0100		mg/L	248808	1	09/27/2017 13:38	JR
Selenium	BRL	0.0200		mg/L	248808	1	09/27/2017 13:38	JR
Silver	BRL	0.0100		mg/L	248808	1	09/27/2017 13:38	JR
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	0.00028	0.00020		mg/L	248871	1	09/27/2017 14:17	AS
Mercury, Dissolved SW7470A				**(SW7470A)**				

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-29S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 9:15:00 AM
Lab ID:	1709L05-051	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Mercury, Dissolved SW7470A					**(SW7470A)**			
Mercury	BRL	0.00020		mg/L	248873	1	09/27/2017 15:33	AS
METALS, TOTAL SW6010D					**(SW3010A)**			
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:52	JR
Barium	2.12	0.0200		mg/L	248918	1	09/28/2017 16:52	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:52	JR
Chromium	0.157	0.0100		mg/L	248918	1	09/28/2017 16:52	JR
Lead	1.24	0.0100		mg/L	248918	1	09/28/2017 16:52	JR
Selenium	BRL	0.0200		mg/L	248918	1	10/02/2017 12:36	IO
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:52	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-24I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 10:49:00 AM
Lab ID:	1709L05-052	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 06:34	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 06:34	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 06:34	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 06:34	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 06:34	OM
Surr: 4-Bromofluorobenzene	83.3	66.1-129		%REC	248919	1	09/27/2017 06:34	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248952	1	09/28/2017 13:05	YH
2-Methylnaphthalene	53	10		ug/L	248952	100	09/29/2017 12:42	YH
1-Methylnaphthalene	71	10		ug/L	248952	100	09/29/2017 12:42	YH
Acenaphthylene	BRL	10		ug/L	248952	1	09/28/2017 13:05	YH
Acenaphthene	100	10		ug/L	248952	100	09/29/2017 12:42	YH
Fluorene	78	10		ug/L	248952	100	09/29/2017 12:42	YH
Phenanthrene	140	10		ug/L	248952	100	09/29/2017 12:42	YH
Anthracene	BRL	10		ug/L	248952	1	09/28/2017 13:05	YH
Fluoranthene	19	10		ug/L	248952	100	09/29/2017 12:42	YH
Pyrene	14	10		ug/L	248952	100	09/29/2017 12:42	YH
Benz(a)anthracene	0.59	0.050		ug/L	248952	1	09/28/2017 13:05	YH
Chrysene	0.55	0.050		ug/L	248952	1	09/28/2017 13:05	YH
Benzo(b)fluoranthene	0.12	0.10		ug/L	248952	1	09/28/2017 13:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 13:05	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:05	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:05	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 13:05	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 13:05	YH
Surr: 4-Terphenyl-d14	101	58.5-125		%REC	248952	1	09/28/2017 13:05	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:20	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:55	JR
Barium	0.0728	0.0200		mg/L	248918	1	09/28/2017 16:55	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:55	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:55	JR
Lead	0.0231	0.0100		mg/L	248918	1	09/28/2017 16:55	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:55	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:55	JR

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-41S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 10:50:00 AM
Lab ID:	1709L05-053	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248919	1	09/27/2017 07:00	OM
Toluene	BRL	1.0		ug/L	248919	1	09/27/2017 07:00	OM
Ethylbenzene	BRL	1.0		ug/L	248919	1	09/27/2017 07:00	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 07:00	OM
o-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 07:00	OM
Surr: 4-Bromofluorobenzene	81.4	66.1-129		%REC	248919	1	09/27/2017 07:00	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
2-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
1-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Acenaphthylene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Acenaphthene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Fluorene	12	10		ug/L	248952	100	09/29/2017 13:09	YH
Phenanthrene	30	10		ug/L	248952	100	09/29/2017 13:09	YH
Anthracene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Pyrene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Benz(a)anthracene	BRL	0.050		ug/L	248952	1	09/28/2017 13:31	YH
Chrysene	BRL	0.050		ug/L	248952	1	09/28/2017 13:31	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248952	1	09/28/2017 13:31	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:31	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:31	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 13:31	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 13:31	YH
Surr: 4-Terphenyl-d14	98.1	58.5-125		%REC	248952	1	09/28/2017 13:31	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:24	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 16:58	JR
Barium	0.0576	0.0200		mg/L	248918	1	09/28/2017 16:58	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 16:58	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 16:58	JR
Lead	BRL	0.0100		mg/L	248918	1	09/28/2017 16:58	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 16:58	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 16:58	JR

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-31I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 11:40:00 AM
Lab ID:	1709L05-054	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	3.8	1.0		ug/L	248919	1	09/27/2017 07:26	OM
Toluene	1.8	1.0		ug/L	248919	1	09/27/2017 07:26	OM
Ethylbenzene	4.6	1.0		ug/L	248919	1	09/27/2017 07:26	OM
m,p-Xylene	BRL	1.0		ug/L	248919	1	09/27/2017 07:26	OM
o-Xylene	1.5	1.0		ug/L	248919	1	09/27/2017 07:26	OM
Surr: 4-Bromofluorobenzene	84.9	66.1-129		%REC	248919	1	09/27/2017 07:26	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	1100	100		ug/L	248952	1000	09/29/2017 17:48	YH
2-Methylnaphthalene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
1-Methylnaphthalene	91	10		ug/L	248952	100	09/29/2017 13:36	YH
Acenaphthylene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
Acenaphthene	43	10		ug/L	248952	100	09/29/2017 13:36	YH
Fluorene	42	10		ug/L	248952	100	09/29/2017 13:36	YH
Phenanthrene	47	10		ug/L	248952	100	09/29/2017 13:36	YH
Anthracene	48	10		ug/L	248952	100	09/29/2017 13:36	YH
Fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
Pyrene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
Benz(a)anthracene	BRL	0.050		ug/L	248952	1	09/28/2017 13:57	YH
Chrysene	BRL	0.050		ug/L	248952	1	09/28/2017 13:57	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	248952	1	09/28/2017 13:57	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:57	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 13:57	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 13:57	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 13:57	YH
Surr: 4-Terphenyl-d14	108	58.5-125		%REC	248952	1	09/28/2017 13:57	YH

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	GW-44I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017 12:35:00 PM
Lab ID:	1709L05-055	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	248900	1	09/27/2017 13:27	JE
Toluene	2.6	1.0		ug/L	248900	1	09/27/2017 13:27	JE
Ethylbenzene	4.9	1.0		ug/L	248900	1	09/27/2017 13:27	JE
m,p-Xylene	13	1.0		ug/L	248900	1	09/27/2017 13:27	JE
o-Xylene	5.5	1.0		ug/L	248900	1	09/27/2017 13:27	JE
Surr: 4-Bromofluorobenzene	88.2	66.1-129		%REC	248900	1	09/27/2017 13:27	JE
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	2600	100		ug/L	248952	1000	09/29/2017 18:15	YH
2-Methylnaphthalene	950	10		ug/L	248952	100	09/29/2017 15:36	YH
1-Methylnaphthalene	470	10		ug/L	248952	100	09/29/2017 15:36	YH
Acenaphthylene	BRL	10		ug/L	248952	100	09/29/2017 15:36	YH
Acenaphthene	420	10		ug/L	248952	100	09/29/2017 15:36	YH
Fluorene	250	10		ug/L	248952	100	09/29/2017 15:36	YH
Phenanthrene	200	10		ug/L	248952	100	09/29/2017 15:36	YH
Anthracene	BRL	10		ug/L	248952	100	09/29/2017 15:36	YH
Fluoranthene	BRL	10		ug/L	248952	100	09/29/2017 15:36	YH
Pyrene	BRL	10		ug/L	248952	1	09/28/2017 14:24	YH
Benz(a)anthracene	0.23	0.050		ug/L	248952	1	09/28/2017 14:24	YH
Chrysene	0.29	0.050		ug/L	248952	1	09/28/2017 14:24	YH
Benzo(b)fluoranthene	0.11	0.10		ug/L	248952	1	09/28/2017 14:24	YH
Benzo(k)fluoranthene	BRL	10		ug/L	248952	1	09/28/2017 14:24	YH
Benzo(a)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 14:24	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	248952	1	09/28/2017 14:24	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	248952	1	09/28/2017 14:24	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	248952	1	09/28/2017 14:24	YH
Surr: 4-Terphenyl-d14	95	58.5-125		%REC	248952	1	09/28/2017 14:24	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	248871	1	09/27/2017 14:27	AS
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	248918	1	09/28/2017 17:02	JR
Barium	0.0600	0.0200		mg/L	248918	1	09/28/2017 17:02	JR
Cadmium	BRL	0.0050		mg/L	248918	1	09/28/2017 17:02	JR
Chromium	BRL	0.0100		mg/L	248918	1	09/28/2017 17:02	JR
Lead	0.0956	0.0100		mg/L	248918	1	09/28/2017 17:02	JR
Selenium	BRL	0.0200		mg/L	248918	1	09/28/2017 17:02	JR
Silver	BRL	0.0100		mg/L	248918	1	09/28/2017 17:02	JR

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-056	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 20:25	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 20:25	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 20:25	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-056	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:25	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 20:25	OM
Surr: 4-Bromofluorobenzene	76.3	66.1-129		%REC	249045	1	09/27/2017 20:25	OM
Surr: Dibromofluoromethane	92.1	83.6-123		%REC	249045	1	09/27/2017 20:25	OM
Surr: Toluene-d8	92.9	81.8-118		%REC	249045	1	09/27/2017 20:25	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-057	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 20:51	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 20:51	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 20:51	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-057	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 20:51	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 20:51	OM
Surr: 4-Bromofluorobenzene	77.7	66.1-129		%REC	249045	1	09/27/2017 20:51	OM
Surr: Dibromofluoromethane	93.7	83.6-123		%REC	249045	1	09/27/2017 20:51	OM
Surr: Toluene-d8	95.1	81.8-118		%REC	249045	1	09/27/2017 20:51	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-058	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 21:17	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 21:17	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 21:17	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-058	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:17	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 21:17	OM
Surr: 4-Bromofluorobenzene	69.6	66.1-129		%REC	249045	1	09/27/2017 21:17	OM
Surr: Dibromofluoromethane	94.5	83.6-123		%REC	249045	1	09/27/2017 21:17	OM
Surr: Toluene-d8	94.2	81.8-118		%REC	249045	1	09/27/2017 21:17	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-059	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 21:43	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 21:43	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 21:43	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-059	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 21:43	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 21:43	OM
Surr: 4-Bromofluorobenzene	77.6	66.1-129		%REC	249045	1	09/27/2017 21:43	OM
Surr: Dibromofluoromethane	92.3	83.6-123		%REC	249045	1	09/27/2017 21:43	OM
Surr: Toluene-d8	93.2	81.8-118		%REC	249045	1	09/27/2017 21:43	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-060	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 22:10	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 22:10	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 22:10	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-060	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:10	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 22:10	OM
Surr: 4-Bromofluorobenzene	71.5	66.1-129		%REC	249045	1	09/27/2017 22:10	OM
Surr: Dibromofluoromethane	92.8	83.6-123		%REC	249045	1	09/27/2017 22:10	OM
Surr: Toluene-d8	93.9	81.8-118		%REC	249045	1	09/27/2017 22:10	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 6
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-061	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 22:36	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 22:36	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 22:36	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 6
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-061	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 22:36	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 22:36	OM
Surr: 4-Bromofluorobenzene	78.5	66.1-129		%REC	249045	1	09/27/2017 22:36	OM
Surr: Dibromofluoromethane	91.7	83.6-123		%REC	249045	1	09/27/2017 22:36	OM
Surr: Toluene-d8	94.1	81.8-118		%REC	249045	1	09/27/2017 22:36	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 7
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-062	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 23:02	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 23:02	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 23:02	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 7
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-062	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:02	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 23:02	OM
Surr: 4-Bromofluorobenzene	75.5	66.1-129		%REC	249045	1	09/27/2017 23:02	OM
Surr: Dibromofluoromethane	92.7	83.6-123		%REC	249045	1	09/27/2017 23:02	OM
Surr: Toluene-d8	92.3	81.8-118		%REC	249045	1	09/27/2017 23:02	OM

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 8
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-063	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 23:28	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 23:28	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 23:28	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 8
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-063	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:28	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 23:28	OM
Surr: 4-Bromofluorobenzene	74.8	66.1-129		%REC	249045	1	09/27/2017 23:28	OM
Surr: Dibromofluoromethane	93	83.6-123		%REC	249045	1	09/27/2017 23:28	OM
Surr: Toluene-d8	94.5	81.8-118		%REC	249045	1	09/27/2017 23:28	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 9
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-064	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
2-Butanone	BRL	50		ug/L	249045	1	09/27/2017 23:55	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
Acetone	BRL	50		ug/L	249045	1	09/27/2017 23:55	OM
Benzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Chloroethane	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Chloromethane	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Freon-113	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/27/2017 23:55	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 9
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-064	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Toluene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/27/2017 23:55	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/27/2017 23:55	OM
Surr: 4-Bromofluorobenzene	72.8	66.1-129		%REC	249045	1	09/27/2017 23:55	OM
Surr: Dibromofluoromethane	93.4	83.6-123		%REC	249045	1	09/27/2017 23:55	OM
Surr: Toluene-d8	93.9	81.8-118		%REC	249045	1	09/27/2017 23:55	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 10
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-065	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 00:21	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 00:21	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 00:21	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 10
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-065	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:21	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 00:21	OM
Surr: 4-Bromofluorobenzene	71.5	66.1-129		%REC	249045	1	09/28/2017 00:21	OM
Surr: Dibromofluoromethane	92.9	83.6-123		%REC	249045	1	09/28/2017 00:21	OM
Surr: Toluene-d8	93.8	81.8-118		%REC	249045	1	09/28/2017 00:21	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 11
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-066	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
1,1,1-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,1,2-Trichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,1-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,1-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2-Dibromoethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2-Dichloroethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,2-Dichloropropane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,3-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
1,4-Dichlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
2-Butanone	BRL	50		ug/L	249045	1	09/28/2017 00:46	OM
2-Hexanone	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
4-Methyl-2-pentanone	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
Acetone	BRL	50		ug/L	249045	1	09/28/2017 00:46	OM
Benzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Bromodichloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Bromoform	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Bromomethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Carbon disulfide	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Carbon tetrachloride	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Chlorobenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Chloroethane	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
Chloroform	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Chloromethane	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
cis-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
cis-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Cyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Dibromochloromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Dichlorodifluoromethane	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
Ethylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Freon-113	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
Isopropylbenzene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
m,p-Xylene	BRL	10		ug/L	249045	1	09/28/2017 00:46	OM
Methyl acetate	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Methyl tert-butyl ether	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Methylcyclohexane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Methylene chloride	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
o-Xylene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 3-Oct-17

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 11
Project Name:	GDOT - Walker Street	**Collection Date:**	9/22/2017
Lab ID:	1709L05-066	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Styrene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Tetrachloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Toluene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
trans-1,2-Dichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
trans-1,3-Dichloropropene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Trichloroethene	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Trichlorofluoromethane	BRL	5.0		ug/L	249045	1	09/28/2017 00:46	OM
Vinyl chloride	BRL	2.0		ug/L	249045	1	09/28/2017 00:46	OM
Surr: 4-Bromofluorobenzene	72.5	66.1-129		%REC	249045	1	09/28/2017 00:46	OM
Surr: Dibromofluoromethane	93.6	83.6-123		%REC	249045	1	09/28/2017 00:46	OM
Surr: Toluene-d8	94	81.8-118		%REC	249045	1	09/28/2017 00:46	OM

Qualifiers:

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-30I				**Lab ID:** 1709L05-001			
Collection Date: 9/18/2017 6:14:00 PM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0365		0.0031	0.0200	mg/L	248918	1
Client Sample ID: DUP-1				**Lab ID:** 1709L05-004			
Collection Date: 9/18/2017				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0324		0.0031	0.0200	mg/L	248918	1
Client Sample ID: GW-12S				**Lab ID:** 1709L05-006			
Collection Date: 9/19/2017 9:15:00 AM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	17		0.17	1.0	ug/L	248982	1
Toluene	25		0.15	1.0	ug/L	248982	1
Ethylbenzene	20		0.19	1.0	ug/L	248982	1
m,p-Xylene	48		0.31	1.0	ug/L	248982	1
o-Xylene	40		0.30	1.0	ug/L	248982	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	4300		7.2	50	ug/L	248793	1000
2-Methylnaphthalene	51		0.57	10	ug/L	248793	100
1-Methylnaphthalene	330		0.60	10	ug/L	248793	100
Acenaphthene	340		1.7	10	ug/L	248793	100
Fluorene	150		1.9	10	ug/L	248793	100
Phenanthrene	130		2.2	10	ug/L	248793	100
Client Sample ID: GW-13S				**Lab ID:** 1709L05-014			
Collection Date: 9/19/2017 3:20:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	16		1.7	10	ug/L	248793	100
Client Sample ID: GW-42I				**Lab ID:** 1709L05-016			
Collection Date: 9/19/2017 7:00:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
m,p-Xylene	1.7		0.31	1.0	ug/L	248982	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	650		0.72	10	ug/L	248793	100
2-Methylnaphthalene	39		0.57	10	ug/L	248793	100
1-Methylnaphthalene	50		0.60	10	ug/L	248793	100
Acenaphthene	62		1.7	10	ug/L	248793	100
Fluorene	28		1.9	10	ug/L	248793	100
Phenanthrene	30		2.2	10	ug/L	248793	100
Client Sample ID: GW-20I				**Lab ID:** 1709L05-017			
Collection Date: 9/19/2017 7:09:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	110		0.72	10	ug/L	248793	100
2-Methylnaphthalene	11		0.57	10	ug/L	248793	100
Phenanthrene	12		2.2	10	ug/L	248793	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0236		0.0031	0.0200	mg/L	248918	1

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: DUP-2				**Lab ID:** 1709L05-018			
Collection Date: 9/19/2017				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	170		0.72	10	ug/L	248793	100
2-Methylnaphthalene	23		0.57	10	ug/L	248793	100
1-Methylnaphthalene	17		0.60	10	ug/L	248793	100
Acenaphthene	16		1.7	10	ug/L	248793	100
Fluorene	14		1.9	10	ug/L	248793	100
Phenanthrene	20		2.2	10	ug/L	248793	100
Chrysene	0.060		0.017	0.050	ug/L	248793	1
Indeno(1,2,3-cd)pyrene	0.055		0.012	0.050	ug/L	248793	1
Client Sample ID: GW-47S				**Lab ID:** 1709L05-020			
Collection Date: 9/20/2017 9:35:00 AM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Toluene	1.4		0.15	1.0	ug/L	248982	1
Ethylbenzene	1.6		0.19	1.0	ug/L	248982	1
m,p-Xylene	3.1		0.31	1.0	ug/L	248982	1
o-Xylene	1.9		0.30	1.0	ug/L	248982	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	1800		7.2	100	ug/L	248793	1000
2-Methylnaphthalene	1400		5.7	100	ug/L	248793	1000
1-Methylnaphthalene	730		0.60	10	ug/L	248793	100
Acenaphthene	710		1.7	10	ug/L	248793	100
Fluorene	370		1.9	10	ug/L	248793	100
Phenanthrene	310		2.2	10	ug/L	248793	100
Anthracene	15		2.6	10	ug/L	248793	100
Fluoranthene	33		1.6	10	ug/L	248793	100
Pyrene	23		1.5	10	ug/L	248793	100
Benz(a)anthracene	0.94		0.018	0.050	ug/L	248793	1
Chrysene	1.0		0.017	0.050	ug/L	248793	1
Benzo(b)fluoranthene	0.11		0.020	0.10	ug/L	248793	1
Client Sample ID: GW-18S				**Lab ID:** 1709L05-023			
Collection Date: 9/20/2017 1:00:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Chrysene	0.063		0.017	0.050	ug/L	248797	1
Client Sample ID: GW-43I				**Lab ID:** 1709L05-025			
Collection Date: 9/20/2017 3:25:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	120		0.72	10	ug/L	248797	100
1-Methylnaphthalene	20		0.60	10	ug/L	248797	100
Phenanthrene	20		2.2	10	ug/L	248797	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0625		0.0031	0.0200	mg/L	248918	1
Client Sample ID: GW-6S				**Lab ID:** 1709L05-028			
Collection Date: 9/20/2017 6:30:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	3.6		0.17	1.0	ug/L	248982	1

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-6S				**Lab ID:** 1709L05-028			
Collection Date: 9/20/2017 6:30:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Ethylbenzene	2.6		0.19	1.0	ug/L	248982	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	24		0.17	1.0	ug/L	248887	10
Client Sample ID: DUP-3				**Lab ID:** 1709L05-030			
Collection Date: 9/20/2017				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	3.6		0.17	1.0	ug/L	248919	1
Ethylbenzene	2.9		0.19	1.0	ug/L	248919	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	21		0.17	1.0	ug/L	248887	10
Client Sample ID: GW-11S				**Lab ID:** 1709L05-031			
Collection Date: 9/21/2017 7:53:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benz(a)anthracene	0.14		0.018	0.050	ug/L	248887	1
Chrysene	0.28		0.017	0.050	ug/L	248887	1
Benzo(b)fluoranthene	0.38		0.020	0.10	ug/L	248887	1
Benzo(a)pyrene	0.17		0.022	0.050	ug/L	248887	1
Indeno(1,2,3-cd)pyrene	0.14		0.012	0.050	ug/L	248887	1
Client Sample ID: GW-11I				**Lab ID:** 1709L05-032			
Collection Date: 9/20/2017 1:20:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	5.8		0.17	1.0	ug/L	248919	1
o-Xylene	1.2		0.30	1.0	ug/L	248919	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	610		0.72	10	ug/L	248887	100
1-Methylnaphthalene	48		0.60	10	ug/L	248887	100
Acenaphthene	23		1.7	10	ug/L	248887	100
Fluorene	36		1.9	10	ug/L	248887	100
Phenanthrene	20		2.2	10	ug/L	248887	100
Benz(a)anthracene	0.057		0.018	0.050	ug/L	248887	1
Chrysene	0.092		0.017	0.050	ug/L	248887	1
Benzo(b)fluoranthene	0.13		0.020	0.10	ug/L	248887	1
Benzo(a)pyrene	0.079		0.022	0.050	ug/L	248887	1
Indeno(1,2,3-cd)pyrene	0.10		0.012	0.050	ug/L	248887	1
Client Sample ID: GW-32I				**Lab ID:** 1709L05-035			
Collection Date: 9/21/2017 10:30:00 AM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0884		0.0031	0.0200	mg/L	248918	1
Client Sample ID: PZ-2				**Lab ID:** 1709L05-041			
Collection Date: 9/21/2017 3:23:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benz(a)anthracene	0.15		0.018	0.050	ug/L	248887	1
Chrysene	0.12		0.017	0.050	ug/L	248887	1

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-29I				**Lab ID:** 1709L05-043			
Collection Date: 9/21/2017 4:30:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Phenanthrene	11		2.2	10	ug/L	248887	100
Client Sample ID: GW-28I				**Lab ID:** 1709L05-044			
Collection Date: 9/21/2017 4:55:00 PM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0433		0.0031	0.0200	mg/L	248918	1
Client Sample ID: GW-20S				**Lab ID:** 1709L05-045			
Collection Date: 9/21/2017 6:15:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	23		1.7	10	ug/L	248887	100
Fluorene	25		1.9	10	ug/L	248887	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.149		0.0031	0.0200	mg/L	248918	1
Client Sample ID: GW-1I				**Lab ID:** 1709L05-046			
Collection Date: 9/21/2017 7:40:00 PM				**Matrix:** Groundwater			
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	10		0.37	5.0	ug/L	249045	1
Client Sample ID: DUP-4				**Lab ID:** 1709L05-047			
Collection Date: 9/21/2017				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benz(a)anthracene	0.13		0.018	0.050	ug/L	248887	1
Chrysene	0.11		0.017	0.050	ug/L	248887	1
Client Sample ID: DUP-5				**Lab ID:** 1709L05-048			
Collection Date: 9/21/2017				**Matrix:** Groundwater			
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	11		0.37	5.0	ug/L	249045	1
Client Sample ID: GW-27I				**Lab ID:** 1709L05-049			
Collection Date: 9/22/2017 8:42:00 AM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	6.7		0.17	1.0	ug/L	248919	1
Toluene	28		0.15	1.0	ug/L	248919	1
Ethylbenzene	14		0.19	1.0	ug/L	248919	1
m,p-Xylene	39		0.31	1.0	ug/L	248919	1
o-Xylene	15		0.30	1.0	ug/L	248919	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	2700		7.2	100	ug/L	248887	1000
2-Methylnaphthalene	430		0.57	10	ug/L	248887	100
1-Methylnaphthalene	260		0.60	10	ug/L	248887	100
Acenaphthene	350		1.7	10	ug/L	248887	100
Fluorene	200		1.9	10	ug/L	248887	100
Phenanthrene	170		2.2	10	ug/L	248887	100
Anthracene	10		2.6	10	ug/L	248887	100
Fluoranthene	16		1.6	10	ug/L	248887	100
Benz(a)anthracene	0.35		0.018	0.050	ug/L	248887	1

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-27I				**Lab ID:** 1709L05-049			
Collection Date: 9/22/2017 8:42:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Chrysene	0.36		0.017	0.050	ug/L	248887	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.104		0.0031	0.0200	mg/L	248918	1
Lead	0.0250		0.0028	0.0100	mg/L	248918	1
Client Sample ID: GW-33I				**Lab ID:** 1709L05-050			
Collection Date: 9/22/2017 8:45:00 AM				**Matrix:** Groundwater			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0612		0.0031	0.0200	mg/L	248918	1
Lead	0.0101		0.0028	0.0100	mg/L	248918	1
Client Sample ID: GW-29S				**Lab ID:** 1709L05-051			
Collection Date: 9/22/2017 9:15:00 AM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	11		0.17	1.0	ug/L	248919	1
Ethylbenzene	7.2		0.19	1.0	ug/L	248919	1
m,p-Xylene	2.4		0.31	1.0	ug/L	248919	1
o-Xylene	4.2		0.30	1.0	ug/L	248919	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	180		0.72	10	ug/L	248952	100
1-Methylnaphthalene	12		0.60	10	ug/L	248952	100
Acenaphthene	14		1.7	10	ug/L	248952	100
Phenanthrene	12		2.2	10	ug/L	248952	100
Benz(a)anthracene	0.30		0.018	0.050	ug/L	248952	1
Chrysene	0.34		0.017	0.050	ug/L	248952	1
Benzo(b)fluoranthene	0.12		0.020	0.10	ug/L	248952	1
Benzo(a)pyrene	0.054		0.022	0.050	ug/L	248952	1
METALS, DISSOLVED SW6010D				**(SW3005A)**			
Barium	0.190		0.0031	0.0200	mg/L	248808	1
Lead	0.0715		0.0028	0.0100	mg/L	248808	1
Mercury, Total SW7470A				**(SW7470A)**			
Mercury	0.00028		0.00006	0.00020	mg/L	248871	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	2.12		0.0031	0.0200	mg/L	248918	1
Chromium	0.157		0.0025	0.0100	mg/L	248918	1
Lead	1.24		0.0028	0.0100	mg/L	248918	1
Client Sample ID: GW-24I				**Lab ID:** 1709L05-052			
Collection Date: 9/22/2017 10:49:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
2-Methylnaphthalene	53		0.57	10	ug/L	248952	100
1-Methylnaphthalene	71		0.60	10	ug/L	248952	100
Acenaphthene	100		1.7	10	ug/L	248952	100
Fluorene	78		1.9	10	ug/L	248952	100
Phenanthrene	140		2.2	10	ug/L	248952	100
Fluoranthene	19		1.6	10	ug/L	248952	100

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-24I				**Lab ID:** 1709L05-052			
Collection Date: 9/22/2017 10:49:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Pyrene	14		1.5	10	ug/L	248952	100
Benz(a)anthracene	0.59		0.018	0.050	ug/L	248952	1
Chrysene	0.55		0.017	0.050	ug/L	248952	1
Benzo(b)fluoranthene	0.12		0.020	0.10	ug/L	248952	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0728		0.0031	0.0200	mg/L	248918	1
Lead	0.0231		0.0028	0.0100	mg/L	248918	1
Client Sample ID: GW-41S				**Lab ID:** 1709L05-053			
Collection Date: 9/22/2017 10:50:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Fluorene	12		1.9	10	ug/L	248952	100
Phenanthrene	30		2.2	10	ug/L	248952	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0576		0.0031	0.0200	mg/L	248918	1
Client Sample ID: GW-31I				**Lab ID:** 1709L05-054			
Collection Date: 9/22/2017 11:40:00 AM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	3.8		0.17	1.0	ug/L	248919	1
Toluene	1.8		0.15	1.0	ug/L	248919	1
Ethylbenzene	4.6		0.19	1.0	ug/L	248919	1
o-Xylene	1.5		0.30	1.0	ug/L	248919	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	1100		7.2	100	ug/L	248952	1000
1-Methylnaphthalene	91		0.60	10	ug/L	248952	100
Acenaphthene	43		1.7	10	ug/L	248952	100
Fluorene	42		1.9	10	ug/L	248952	100
Phenanthrene	47		2.2	10	ug/L	248952	100
Anthracene	48		2.6	10	ug/L	248952	100
Client Sample ID: GW-44I				**Lab ID:** 1709L05-055			
Collection Date: 9/22/2017 12:35:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Toluene	2.6		0.15	1.0	ug/L	248900	1
Ethylbenzene	4.9		0.19	1.0	ug/L	248900	1
m,p-Xylene	13		0.31	1.0	ug/L	248900	1
o-Xylene	5.5		0.30	1.0	ug/L	248900	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	2600		7.2	100	ug/L	248952	1000
2-Methylnaphthalene	950		0.57	10	ug/L	248952	100
1-Methylnaphthalene	470		0.60	10	ug/L	248952	100
Acenaphthene	420		1.7	10	ug/L	248952	100
Fluorene	250		1.9	10	ug/L	248952	100
Phenanthrene	200		2.2	10	ug/L	248952	100
Benz(a)anthracene	0.23		0.018	0.050	ug/L	248952	1
Chrysene	0.29		0.017	0.050	ug/L	248952	1

Analytical Environmental Services, Inc

Date: 3-Oct-17

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-44I				**Lab ID:**	1709L05-055		
Collection Date: 9/22/2017 12:35:00 PM				**Matrix:**	Groundwater		
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benzo(b)fluoranthene	0.11		0.020	0.10	ug/L	248952	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0600		0.0031	0.0200	mg/L	248918	1
Lead	0.0956		0.0028	0.0100	mg/L	248918	1

Qualifiers:

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

Clear | Save as

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **AECOM** AES Work Order Number: **1708D32**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	○	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	○	○		
5.	Custody seals intact on shipping container?	○	○	○		
6.	Temperature blanks present?	○	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	○	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	○	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	○	○	○		
10.	Sampler name and/or signature on COC?	○	○	○		
11.	Were all samples received within holding time?	○	○	○		
12.	TAT marked on the COC?	○	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 0.5 °C Cooler 2 Temperature 2.0 °C Cooler 3 Temperature 1.9 °C Cooler 4 Temperature 3.1 °C

14. Cooler 5 Temperature 2.6 °C Cooler 6 Temperature 2.9 °C Cooler 7 Temperature 4.2 °C Cooler 8 Temperature 3.8 °C

15. Comments: Continuation of cooler #9 =2.1 #10=2.3 #11=3.6 #12= 3.1 #13=2.8 #14=3.1

I certify that I have completed sections 1-15 (dated initials). BB 8/12/17

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	○	○	○		
17.	Custody seals present on sample containers?	○	○	○		
18.	Custody seals intact on sample containers?	○	○	○		
19.	Do sample container labels match the COC?	○	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	○	○	○		
21.	Were all of the samples listed on the COC received?	○	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	○	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	○	○	○		
24.	Were samples received in appropriate containers?	○	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	○	○	○		
26.	Were trip blanks submitted?	○	○	○	listed on COC ■ not listed on COC ■	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). BU 8/14/17

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	○	○	○		
29.	Containers meet preservation guidelines?	○	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	○		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). BU 8/14/17

Checklist 6.9.17 Rev 2

Locked

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-001A	GW-30I	9/18/2017 6:14:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-001B	GW-30I	9/18/2017 6:14:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/25/2017
1709L05-001C	GW-30I	9/18/2017 6:14:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-001C	GW-30I	9/18/2017 6:14:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-002A	GW-3I	9/18/2017 6:20:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-002B	GW-3I	9/18/2017 6:20:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-003A	GW-30S	9/18/2017 7:05:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-003B	GW-30S	9/18/2017 7:05:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-004A	DUP-1	9/18/2017 12:00:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-004B	DUP-1	9/18/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-004C	DUP-1	9/18/2017 12:00:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-004C	DUP-1	9/18/2017 12:00:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-005A	GW-45S	9/19/2017 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017
1709L05-005B	GW-45S	9/19/2017 8:50:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-006A	GW-12S	9/19/2017 9:15:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-006B	GW-12S	9/19/2017 9:15:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-006B	GW-12S	9/19/2017 9:15:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/28/2017
1709L05-007A	GW-15I	9/19/2017 10:31:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-007B	GW-15I	9/19/2017 10:31:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-008A	GW-14I	9/19/2017 10:55:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-008B	GW-14I	9/19/2017 10:55:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-009A	GW-12D	9/19/2017 11:20:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-010A	GW-14S	9/19/2017 12:20:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/27/2017
1709L05-010B	GW-14S	9/19/2017 12:20:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-011A	GW-15S	9/19/2017 12:42:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-011B	GW-15S	9/19/2017 12:42:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-012A	GW-12 I	9/19/2017 2:15:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-012B	GW-12 I	9/19/2017 2:15:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-013A	GW-23I	9/19/2017 3:00:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-013B	GW-23I	9/19/2017 3:00:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-014A	GW-13S	9/19/2017 3:20:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-014A	GW-13S	9/19/2017 3:20:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/29/2017
1709L05-015A	GW-23S	9/19/2017 5:05:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-016A	GW-42I	9/19/2017 7:00:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-016B	GW-42I	9/19/2017 7:00:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-016B	GW-42I	9/19/2017 7:00:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/29/2017
1709L05-016C	GW-42I	9/19/2017 7:00:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-016C	GW-42I	9/19/2017 7:00:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-017A	GW-20I	9/19/2017 7:09:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-017B	GW-20I	9/19/2017 7:09:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-017B	GW-20I	9/19/2017 7:09:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/28/2017
1709L05-017C	GW-20I	9/19/2017 7:09:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-017C	GW-20I	9/19/2017 7:09:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-018A	DUP-2	9/19/2017 12:00:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-018B	DUP-2	9/19/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-018B	DUP-2	9/19/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/28/2017
1709L05-019A	GW-46S	9/20/2017 8:50:00AM	Groundwater	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017
1709L05-019B	GW-46S	9/20/2017 8:50:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-020A	GW-47S	9/20/2017 9:35:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-020B	GW-47S	9/20/2017 9:35:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/26/2017
1709L05-020B	GW-47S	9/20/2017 9:35:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/28/2017
1709L05-020B	GW-47S	9/20/2017 9:35:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 8:30:00AM	09/29/2017
1709L05-021A	GW-18I	9/20/2017 11:05:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/25/2017 11:30:00AM	09/27/2017
1709L05-022A	GW-17I	9/20/2017 11:08:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017
1709L05-023A	GW-18S	9/20/2017 1:00:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017
1709L05-024A	GW-6D	9/20/2017 1:28:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017
1709L05-025A	GW-43I	9/20/2017 3:25:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-025B	GW-43I	9/20/2017 3:25:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-025B	GW-43I	9/20/2017 3:25:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/29/2017
1709L05-025C	GW-43I	9/20/2017 3:25:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-025C	GW-43I	9/20/2017 3:25:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-026A	GW-6I	9/20/2017 4:00:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-026B	GW-6I	9/20/2017 4:00:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017
1709L05-027A	GW-24S	9/20/2017 5:35:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-027B	GW-24S	9/20/2017 5:35:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 10:30:00AM	09/27/2017
1709L05-028A	GW-6S	9/20/2017 6:30:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/27/2017 6:21:00AM	09/28/2017
1709L05-028B	GW-6S	9/20/2017 6:30:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-029A	GW-27S	9/20/2017 9:18:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/26/2017
1709L05-029B	GW-27S	9/20/2017 9:18:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-030A	DUP-3	9/20/2017 12:00:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/26/2017
1709L05-030B	DUP-3	9/20/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-031A	GW-11S	9/21/2017 7:53:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/27/2017
1709L05-032A	GW-11I	9/20/2017 1:20:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/26/2017
1709L05-032B	GW-11I	9/20/2017 1:20:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-033A	PZ-4	9/20/2017 2:15:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/26/2017
1709L05-033B	PZ-4	9/20/2017 2:15:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-034A	GW-25S	9/21/2017 9:35:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/27/2017
1709L05-035A	GW-32I	9/21/2017 10:30:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-035B	GW-32I	9/21/2017 10:30:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/27/2017
1709L05-035B	GW-32I	9/21/2017 10:30:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/29/2017
1709L05-035C	GW-32I	9/21/2017 10:30:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-035C	GW-32I	9/21/2017 10:30:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-036A	GW-31S	9/21/2017 10:24:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-036B	GW-31S	9/21/2017 10:24:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/27/2017
1709L05-037A	GW-26I	9/21/2017 11:25:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 12:00:00PM	09/27/2017
1709L05-038A	PZ-3	9/21/2017 1:21:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-038B	PZ-3	9/21/2017 1:21:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-039A	PZ-1	9/21/2017 1:50:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-039B	PZ-1	9/21/2017 1:50:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017
1709L05-040A	GW-16I	9/21/2017 2:05:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017
1709L05-041A	PZ-2	9/21/2017 3:23:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-041B	PZ-2	9/21/2017 3:23:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017
1709L05-041B	PZ-2	9/21/2017 3:23:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/29/2017
1709L05-042A	GW-28D	9/21/2017 4:10:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-042B	GW-28D	9/21/2017 4:10:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017
1709L05-043A	GW-29I	9/21/2017 4:30:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-043B	GW-29I	9/21/2017 4:30:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/26/2017 3:00:00PM	09/28/2017
1709L05-044A	GW-28I	9/21/2017 4:55:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-044B	GW-28I	9/21/2017 4:55:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-044C	GW-28I	9/21/2017 4:55:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-044C	GW-28I	9/21/2017 4:55:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-045A	GW-20S	9/21/2017 6:15:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-045B	GW-20S	9/21/2017 6:15:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-045C	GW-20S	9/21/2017 6:15:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-045C	GW-20S	9/21/2017 6:15:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-046A	GW-1I	9/21/2017 7:40:00PM	Groundwater	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017
1709L05-047A	DUP-4	9/21/2017 12:00:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-047B	DUP-4	9/21/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-047B	DUP-4	9/21/2017 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-048A	DUP-5	9/21/2017 12:00:00AM	Groundwater	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017
1709L05-049A	GW-27I	9/22/2017 8:42:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-049B	GW-27I	9/22/2017 8:42:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-049B	GW-27I	9/22/2017 8:42:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-049C	GW-27I	9/22/2017 8:42:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-049C	GW-27I	9/22/2017 8:42:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-050A	GW-33I	9/22/2017 8:45:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-050B	GW-33I	9/22/2017 8:45:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-050C	GW-33I	9/22/2017 8:45:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-050C	GW-33I	9/22/2017 8:45:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-051A	GW-29S	9/22/2017 9:15:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-051B	GW-29S	9/22/2017 9:15:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-051B	GW-29S	9/22/2017 9:15:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-051C	GW-29S	9/22/2017 9:15:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-051C	GW-29S	9/22/2017 9:15:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	10/02/2017
1709L05-051C	GW-29S	9/22/2017 9:15:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-051D	GW-29S	9/22/2017 9:15:00AM	Groundwater	DISSOLVED METALS BY ICP		9/26/2017 6:05:00PM	09/27/2017
1709L05-051D	GW-29S	9/22/2017 9:15:00AM	Groundwater	MERCURY, DISSOLVED		9/26/2017 1:48:00PM	09/27/2017
1709L05-052A	GW-24I	9/22/2017 10:49:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-052B	GW-24I	9/22/2017 10:49:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-052B	GW-24I	9/22/2017 10:49:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-052C	GW-24I	9/22/2017 10:49:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-052C	GW-24I	9/22/2017 10:49:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-053A	GW-41S	9/22/2017 10:50:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-053B	GW-41S	9/22/2017 10:50:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-053B	GW-41S	9/22/2017 10:50:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-053C	GW-41S	9/22/2017 10:50:00AM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-053C	GW-41S	9/22/2017 10:50:00AM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017
1709L05-054A	GW-31I	9/22/2017 11:40:00AM	Groundwater	VOLATILE ORGANICS: BTEX		9/26/2017 9:04:00PM	09/27/2017
1709L05-054B	GW-31I	9/22/2017 11:40:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-054B	GW-31I	9/22/2017 11:40:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-055A	GW-44I	9/22/2017 12:35:00PM	Groundwater	VOLATILE ORGANICS: BTEX		9/25/2017 9:31:00AM	09/27/2017
1709L05-055B	GW-44I	9/22/2017 12:35:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/28/2017
1709L05-055B	GW-44I	9/22/2017 12:35:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		9/27/2017 8:00:00AM	09/29/2017
1709L05-055C	GW-44I	9/22/2017 12:35:00PM	Groundwater	TOTAL METALS BY ICP		9/27/2017 3:18:00PM	09/28/2017
1709L05-055C	GW-44I	9/22/2017 12:35:00PM	Groundwater	TOTAL MERCURY		9/26/2017 1:30:00PM	09/27/2017

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1709L05

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1709L05-056A	TRIP BLANK 1	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-057A	TRIP BLANK 2	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-058A	TRIP BLANK 3	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-059A	TRIP BLANK 4	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-060A	TRIP BLANK 5	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-061A	TRIP BLANK 6	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-062A	TRIP BLANK 7	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-063A	TRIP BLANK 8	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-064A	TRIP BLANK 9	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/27/2017
1709L05-065A	TRIP BLANK 10	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017
1709L05-066A	TRIP BLANK 11	9/22/2017 12:00:00AM	Aqueous	TCL VOLATILE ORGANICS		9/27/2017 4:50:00PM	09/28/2017

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248793

Sample ID: **MB-248793** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352847**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/25/2017** Seq No: **7762576**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50									
2-Methylnaphthalene	BRL	0.50									
Acenaphthene	BRL	0.50									
Acenaphthylene	BRL	1.0									
Anthracene	BRL	0.050									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	0.10									
Benzo(k)fluoranthene	BRL	0.050									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	0.10									
Fluorene	BRL	0.10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	0.50									
Phenanthrene	BRL	0.050									
Pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	1.937	0	2.000		96.9	58.5	125				

Sample ID: **LCS-248793** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352847**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/25/2017** Seq No: **7762577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.821	0.50	2.000		91.1	61.8	120				
2-Methylnaphthalene	1.839	0.50	2.000		92.0	59.5	120				
Acenaphthene	2.060	0.50	2.000		103	69.1	117				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248793

Sample ID: **LCS-248793** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352847**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/25/2017** Seq No: **7762577**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1.797	1.0	2.000		89.8	59.7	118				
Anthracene	1.860	0.050	2.000		93.0	64.7	121				
Benz(a)anthracene	1.864	0.050	2.000		93.2	61.7	139				
Benzo(a)pyrene	1.934	0.050	2.000		96.7	65.1	124				
Benzo(b)fluoranthene	1.913	0.10	2.000		95.6	60.8	129				
Benzo(g,h,i)perylene	1.833	0.10	2.000		91.7	60.1	129				
Benzo(k)fluoranthene	2.217	0.050	2.000		111	69.6	130				
Chrysene	2.132	0.050	2.000		107	76.5	127				
Dibenz(a,h)anthracene	1.519	0.10	2.000		76.0	55.2	126				
Fluoranthene	1.903	0.10	2.000		95.2	66.5	133				
Fluorene	1.929	0.10	2.000		96.5	66.1	122				
Indeno(1,2,3-cd)pyrene	1.699	0.050	2.000		85.0	58.8	132				
Naphthalene	2.110	0.50	2.000		106	60.6	120				
Phenanthrene	1.952	0.050	2.000		97.6	65.9	118				
Pyrene	2.104	0.050	2.000		105	70.2	129				
Surr: 4-Terphenyl-d14	2.040	0	2.000		102	58.5	125				

Sample ID: **1709L05-012BMS** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.771	0.50	2.000		88.6	56.9	120				
2-Methylnaphthalene	1.829	0.50	2.000		91.4	54.5	120				
Acenaphthene	1.870	0.50	2.000		93.5	49.7	118				
Acenaphthylene	1.809	1.0	2.000		90.4	56.7	120				
Anthracene	1.952	0.050	2.000		97.6	54.4	117				
Benz(a)anthracene	2.075	0.050	2.000		104	52.4	135				
Benzo(a)pyrene	1.739	0.050	2.000		87.0	51.5	117				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248793

Sample ID: **1709L05-012BMS** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765901**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.833	0.10	2.000		91.7	45.6	124				
Benzo(g,h,i)perylene	1.066	0.10	2.000		53.3	45.9	120				
Benzo(k)fluoranthene	1.756	0.050	2.000		87.8	51.8	122				
Chrysene	2.094	0.050	2.000		105	59.9	120				
Dibenz(a,h)anthracene	0.9213	0.10	2.000		46.1	41.6	120				
Fluoranthene	2.053	0.10	2.000	0.02354	101	59.7	122				
Fluorene	1.936	0.10	2.000		96.8	57.9	117				
Indeno(1,2,3-cd)pyrene	1.211	0.050	2.000		60.6	45.5	120				
Naphthalene	1.917	0.50	2.000	0.08817	91.4	53.9	120				
Phenanthrene	1.970	0.050	2.000	0.02792	97.1	58.1	120				
Pyrene	2.163	0.050	2.000	0.02532	107	61.6	120				
Surr: 4-Terphenyl-d14	1.906	0	2.000		95.3	58.5	125				

Sample ID: **1709L05-013BMS** Client ID: **GW-23I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765903**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.765	0.50	2.000		88.2	56.9	120				
2-Methylnaphthalene	1.801	0.50	2.000		90.0	54.5	120				
Acenaphthene	1.849	0.50	2.000		92.5	49.7	118				
Acenaphthylene	1.762	1.0	2.000		88.1	56.7	120				
Anthracene	1.908	0.050	2.000		95.4	54.4	117				
Benz(a)anthracene	2.023	0.050	2.000		101	52.4	135				
Benzo(a)pyrene	1.876	0.050	2.000		93.8	51.5	117				
Benzo(b)fluoranthene	1.862	0.10	2.000		93.1	45.6	124				
Benzo(g,h,i)perylene	1.669	0.10	2.000		83.4	45.9	120				
Benzo(k)fluoranthene	1.970	0.050	2.000		98.5	51.8	122				
Chrysene	2.093	0.050	2.000		105	59.9	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248793

Sample ID: **1709L05-013BMS** Client ID: **GW-23I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765903**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Dibenz(a,h)anthracene	1.420	0.10	2.000		71.0	41.6	120				
Fluoranthene	2.001	0.10	2.000		100	59.7	122				
Fluorene	1.872	0.10	2.000		93.6	57.9	117				
Indeno(1,2,3-cd)pyrene	1.552	0.050	2.000		77.6	45.5	120				
Naphthalene	1.800	0.50	2.000		90.0	53.9	120				
Phenanthrene	1.896	0.050	2.000		94.8	58.1	120				
Pyrene	2.102	0.050	2.000		105	61.6	120				
Surr: 4-Terphenyl-d14	1.956	0	2.000		97.8	58.5	125				

Sample ID: **1709L05-012BMSD** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765902**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.669	0.50	2.000		83.5	56.9	120	1.771	5.94	27.4	
2-Methylnaphthalene	1.720	0.50	2.000		86.0	54.5	120	1.829	6.13	18.8	
Acenaphthene	1.761	0.50	2.000		88.0	49.7	118	1.870	6.01	17.4	
Acenaphthylene	1.668	1.0	2.000		83.4	56.7	120	1.809	8.08	19.5	
Anthracene	1.862	0.050	2.000		93.1	54.4	117	1.952	4.73	24.5	
Benz(a)anthracene	1.934	0.050	2.000		96.7	52.4	135	2.075	7.03	30.2	
Benzo(a)pyrene	1.636	0.050	2.000		81.8	51.5	117	1.739	6.11	25.6	
Benzo(b)fluoranthene	1.773	0.10	2.000		88.6	45.6	124	1.833	3.35	20.9	
Benzo(g,h,i)perylene	1.022	0.10	2.000		51.1	45.9	120	1.066	4.25	28.6	
Benzo(k)fluoranthene	1.720	0.050	2.000		86.0	51.8	122	1.756	2.07	28.6	
Chrysene	1.974	0.050	2.000		98.7	59.9	120	2.094	5.87	26.4	
Dibenz(a,h)anthracene	0.9296	0.10	2.000		46.5	41.6	120	0.9213	0.901	17.8	
Fluoranthene	1.950	0.10	2.000	0.02354	96.3	59.7	122	2.053	5.10	22.1	
Fluorene	1.815	0.10	2.000		90.7	57.9	117	1.936	6.45	20.8	
Indeno(1,2,3-cd)pyrene	1.169	0.050	2.000		58.5	45.5	120	1.211	3.54	19.3	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248793

Sample ID: **1709L05-012BMSD** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765902**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Naphthalene	1.798	0.50	2.000	0.08817	85.5	53.9	120	1.917	6.41	20.6	
Phenanthrene	1.873	0.050	2.000	0.02792	92.3	58.1	120	1.970	5.04	19.4	
Pyrene	2.045	0.050	2.000	0.02532	101	61.6	120	2.163	5.61	21.2	
Surr: 4-Terphenyl-d14	1.775	0	2.000		88.8	58.5	125	1.906	0	0	

Sample ID: **1709L05-013BMSD** Client ID: **GW-23I** Units: **ug/L** Prep Date: **09/25/2017** Run No: **352964**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248793** Analysis Date: **09/26/2017** Seq No: **7765904**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.733	0.50	2.000		86.7	56.9	120	1.765	1.81	27.4	
2-Methylnaphthalene	1.765	0.50	2.000		88.3	54.5	120	1.801	2.01	18.8	
Acenaphthene	1.794	0.50	2.000		89.7	49.7	118	1.849	3.05	17.4	
Acenaphthylene	1.726	1.0	2.000		86.3	56.7	120	1.762	2.04	19.5	
Anthracene	1.813	0.050	2.000		90.6	54.4	117	1.908	5.13	24.5	
Benz(a)anthracene	1.977	0.050	2.000		98.8	52.4	135	2.023	2.32	30.2	
Benzo(a)pyrene	1.804	0.050	2.000		90.2	51.5	117	1.876	3.87	25.6	
Benzo(b)fluoranthene	1.816	0.10	2.000		90.8	45.6	124	1.862	2.50	20.9	
Benzo(g,h,i)perylene	1.414	0.10	2.000		70.7	45.9	120	1.669	16.5	28.6	
Benzo(k)fluoranthene	1.943	0.050	2.000		97.1	51.8	122	1.970	1.42	28.6	
Chrysene	2.073	0.050	2.000		104	59.9	120	2.093	0.947	26.4	
Dibenz(a,h)anthracene	1.168	0.10	2.000		58.4	41.6	120	1.420	19.5	17.8	R
Fluoranthene	1.933	0.10	2.000		96.7	59.7	122	2.001	3.45	22.1	
Fluorene	1.827	0.10	2.000		91.4	57.9	117	1.872	2.41	20.8	
Indeno(1,2,3-cd)pyrene	1.360	0.050	2.000		68.0	45.5	120	1.552	13.2	19.3	
Naphthalene	1.813	0.50	2.000		90.6	53.9	120	1.800	0.676	20.6	
Phenanthrene	1.836	0.050	2.000		91.8	58.1	120	1.896	3.24	19.4	
Pyrene	2.051	0.050	2.000		103	61.6	120	2.102	2.44	21.2	
Surr: 4-Terphenyl-d14	1.902	0	2.000		95.1	58.5	125	1.956	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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248797

Sample ID: **MB-248797** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765469**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50									
2-Methylnaphthalene	BRL	0.50									
Acenaphthene	BRL	0.50									
Acenaphthylene	BRL	1.0									
Anthracene	BRL	0.050									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	0.10									
Benzo(k)fluoranthene	BRL	0.050									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	0.10									
Fluorene	BRL	0.10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	0.50									
Phenanthrene	BRL	0.050									
Pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	1.822	0	2.000		91.1	58.5	125				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248797

Sample ID: **LCS-248797** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765470**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.648	0.50	2.000		82.4	61.8	120				
2-Methylnaphthalene	1.662	0.50	2.000		83.1	59.5	120				
Acenaphthene	1.577	0.50	2.000		78.9	69.1	117				
Acenaphthylene	1.567	1.0	2.000		78.4	59.7	118				
Anthracene	1.674	0.050	2.000		83.7	64.7	121				
Benz(a)anthracene	1.798	0.050	2.000		89.9	61.7	139				
Benzo(a)pyrene	1.785	0.050	2.000		89.3	65.1	124				
Benzo(b)fluoranthene	1.725	0.10	2.000		86.2	60.8	129				
Benzo(g,h,i)perylene	1.709	0.10	2.000		85.4	60.1	129				
Benzo(k)fluoranthene	1.715	0.050	2.000		85.8	69.6	130				
Chrysene	1.606	0.050	2.000		80.3	76.5	127				
Dibenz(a,h)anthracene	1.724	0.10	2.000		86.2	55.2	126				
Fluoranthene	1.778	0.10	2.000		88.9	66.5	133				
Fluorene	1.641	0.10	2.000		82.0	66.1	122				
Indeno(1,2,3-cd)pyrene	1.709	0.050	2.000		85.4	58.8	132				
Naphthalene	1.572	0.50	2.000		78.6	60.6	120				
Phenanthrene	1.666	0.050	2.000		83.3	65.9	118				
Pyrene	1.671	0.050	2.000		83.6	70.2	129				
Surr: 4-Terphenyl-d14	1.787	0	2.000		89.4	58.5	125				

Sample ID: **1709J45-001BMS** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765473**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.619	0.50	2.000		81.0	56.9	120				
2-Methylnaphthalene	1.641	0.50	2.000		82.1	54.5	120				
Acenaphthene	1.540	0.50	2.000		77.0	49.7	118				
Acenaphthylene	1.601	1.0	2.000		80.1	56.7	120				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248797

Sample ID: **1709J45-001BMS** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765473**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.611	0.050	2.000		80.6	54.4	117				
Benz(a)anthracene	1.755	0.050	2.000		87.8	52.4	135				
Benzo(a)pyrene	1.664	0.050	2.000		83.2	51.5	117				
Benzo(b)fluoranthene	1.585	0.10	2.000		79.3	45.6	124				
Benzo(g,h,i)perylene	1.560	0.10	2.000		78.0	45.9	120				
Benzo(k)fluoranthene	1.586	0.050	2.000		79.3	51.8	122				
Chrysene	1.535	0.050	2.000		76.8	59.9	120				
Dibenz(a,h)anthracene	1.615	0.10	2.000		80.8	41.6	120				
Fluoranthene	1.682	0.10	2.000		84.1	59.7	122				
Fluorene	1.768	0.10	2.000	0.1834	79.2	57.9	117				
Indeno(1,2,3-cd)pyrene	1.604	0.050	2.000		80.2	45.5	120				
Naphthalene	1.521	0.50	2.000	0.03055	74.5	53.9	120				
Phenanthrene	1.600	0.050	2.000	0.04585	77.7	58.1	120				
Pyrene	1.598	0.050	2.000		79.9	61.6	120				
Surr: 4-Terphenyl-d14	1.690	0	2.000		84.5	58.5	125				

Sample ID: **1709J45-001BMSD** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765475**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.629	0.50	2.000		81.4	56.9	120	1.619	0.586	27.4	
2-Methylnaphthalene	1.649	0.50	2.000		82.4	54.5	120	1.641	0.452	18.8	
Acenaphthene	1.585	0.50	2.000		79.3	49.7	118	1.540	2.91	17.4	
Acenaphthylene	1.622	1.0	2.000		81.1	56.7	120	1.601	1.30	19.5	
Anthracene	1.669	0.050	2.000		83.4	54.4	117	1.611	3.50	24.5	
Benz(a)anthracene	1.844	0.050	2.000		92.2	52.4	135	1.755	4.92	30.2	
Benzo(a)pyrene	1.744	0.050	2.000		87.2	51.5	117	1.664	4.71	25.6	
Benzo(b)fluoranthene	1.772	0.10	2.000		88.6	45.6	124	1.585	11.1	20.9	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248797

Sample ID: **1709J45-001BMSD** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **353027**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248797** Analysis Date: **09/26/2017** Seq No: **7765475**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	1.750	0.10	2.000		87.5	45.9	120	1.560	11.5	28.6	
Benzo(k)fluoranthene	1.656	0.050	2.000		82.8	51.8	122	1.586	4.27	28.6	
Chrysene	1.606	0.050	2.000		80.3	59.9	120	1.535	4.48	26.4	
Dibenz(a,h)anthracene	1.840	0.10	2.000		92.0	41.6	120	1.615	13.0	17.8	
Fluoranthene	1.778	0.10	2.000		88.9	59.7	122	1.682	5.58	22.1	
Fluorene	1.866	0.10	2.000	0.1834	84.1	57.9	117	1.768	5.39	20.8	
Indeno(1,2,3-cd)pyrene	1.803	0.050	2.000		90.1	45.5	120	1.604	11.7	19.3	
Naphthalene	1.531	0.50	2.000	0.03055	75.0	53.9	120	1.521	0.655	20.6	
Phenanthrene	1.695	0.050	2.000	0.04585	82.4	58.1	120	1.600	5.77	19.4	
Pyrene	1.685	0.050	2.000		84.2	61.6	120	1.598	5.28	21.2	
Surr: 4-Terphenyl-d14	1.670	0	2.000		83.5	58.5	125	1.690	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248808

Sample ID: **MB-248808** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **MBLK** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768649**

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									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: **LCS-248808** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **LCS** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768650**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.115	0.0500	1.000		112	80	120				
Barium	1.047	0.0200	1.000		105	80	120				
Cadmium	1.070	0.0050	1.000		107	80	120				
Chromium	0.9981	0.0100	1.000		99.8	80	120				
Lead	1.072	0.0100	1.000		107	80	120				
Selenium	1.238	0.0200	1.000		124	80	120				S
Silver	0.1032	0.0100	0.1000		103	80	120				

Sample ID: **1709L67-001BMS** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.070	0.0500	1.000		107	75	125				
Barium	1.044	0.0200	1.000	0.02748	102	75	125				
Cadmium	1.042	0.0050	1.000		104	75	125				
Chromium	0.9814	0.0100	1.000		98.1	75	125				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248808

Sample ID: **1709L67-001BMS** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768654**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.040	0.0100	1.000		104	75	125				
Selenium	1.213	0.0200	1.000	0.01299	120	75	125				
Silver	0.1003	0.0100	0.1000		100	75	125				

Sample ID: **1709L67-011BMS** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **MS** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768662**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.029	0.0500	1.000		103	75	125				
Barium	0.9952	0.0200	1.000	0.03448	96.1	75	125				
Cadmium	0.9957	0.0050	1.000		99.6	75	125				
Chromium	0.9356	0.0100	1.000		93.6	75	125				
Lead	0.9898	0.0100	1.000		99.0	75	125				
Selenium	1.137	0.0200	1.000		114	75	125				
Silver	0.09642	0.0100	0.1000		96.4	75	125				

Sample ID: **1709L67-001BMSD** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353081**
SampleType: **MSD** TestCode: **METALS, DISSOLVED** **SW6010D** BatchID: **248808** Analysis Date: **09/27/2017** Seq No: **7768655**

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	75	125	1.070	2.87	20	
Barium	1.021	0.0200	1.000	0.02748	99.4	75	125	1.044	2.24	20	
Cadmium	1.017	0.0050	1.000		102	75	125	1.042	2.43	20	
Chromium	0.9654	0.0100	1.000		96.5	75	125	0.9814	1.64	20	
Lead	1.009	0.0100	1.000		101	75	125	1.040	3.00	20	
Selenium	1.191	0.0200	1.000	0.01299	118	75	125	1.213	1.81	20	
Silver	0.09813	0.0100	0.1000		98.1	75	125	0.1003	2.15	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248871

Sample ID: **MB-248871** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353060**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **248871** Analysis Date: **09/26/2017** Seq No: **7766117**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-248871** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353060**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **248871** Analysis Date: **09/26/2017** Seq No: **7766118**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005334	0.00020	0.0050		107	80	120				

Sample ID: **1709E93-008AMS** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353060**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **248871** Analysis Date: **09/26/2017** Seq No: **7766120**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005082	0.00020	0.0050		102	70	130				

Sample ID: **1709E93-008AMSD** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353060**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **248871** Analysis Date: **09/26/2017** Seq No: **7766121**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005130	0.00020	0.0050		103	70	130	0.005082	0.934	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248873

Sample ID: **MB-248873** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353063**
SampleType: **MBLK** TestCode: **Mercury, Dissolved SW7470A** BatchID: **248873** Analysis Date: **09/27/2017** Seq No: **7766476**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	BRL	0.00020									

Sample ID: **LCS-248873** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353063**
SampleType: **LCS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **248873** Analysis Date: **09/27/2017** Seq No: **7766477**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005036	0.00020	0.0050		101	80	120				

Sample ID: **1709L00-002DMS** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353063**
SampleType: **MS** TestCode: **Mercury, Dissolved SW7470A** BatchID: **248873** Analysis Date: **09/27/2017** Seq No: **7766479**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005086	0.00020	0.0050		102	70	130				

Sample ID: **1709L00-002DMSD** Client ID: Units: **mg/L** Prep Date: **09/26/2017** Run No: **353063**
SampleType: **MSD** TestCode: **Mercury, Dissolved SW7470A** BatchID: **248873** Analysis Date: **09/27/2017** Seq No: **7766480**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005211	0.00020	0.0050		104	70	130	0.005086	2.42	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248887

Sample ID: **MB-248887** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765509**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50									
2-Methylnaphthalene	BRL	0.50									
Acenaphthene	BRL	0.50									
Acenaphthylene	BRL	1.0									
Anthracene	BRL	0.050									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	0.10									
Benzo(k)fluoranthene	BRL	0.050									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	0.10									
Fluorene	BRL	0.10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	0.50									
Phenanthrene	BRL	0.050									
Pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	1.724	0	2.000		86.2	58.5	125				

Sample ID: **LCS-248887** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.710	0.50	2.000		85.5	61.8	120				
2-Methylnaphthalene	1.730	0.50	2.000		86.5	59.5	120				
Acenaphthene	1.663	0.50	2.000		83.1	69.1	117				
Acenaphthylene	1.661	1.0	2.000		83.0	59.7	118				

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248887

Sample ID: **LCS-248887** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765510**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.801	0.050	2.000		90.0	64.7	121				
Benz(a)anthracene	2.024	0.050	2.000		101	61.7	139				
Benzo(a)pyrene	1.899	0.050	2.000		94.9	65.1	124				
Benzo(b)fluoranthene	1.847	0.10	2.000		92.3	60.8	129				
Benzo(g,h,i)perylene	1.780	0.10	2.000		89.0	60.1	129				
Benzo(k)fluoranthene	1.742	0.050	2.000		87.1	69.6	130				
Chrysene	1.758	0.050	2.000		87.9	76.5	127				
Dibenz(a,h)anthracene	1.855	0.10	2.000		92.8	55.2	126				
Fluoranthene	1.902	0.10	2.000		95.1	66.5	133				
Fluorene	1.767	0.10	2.000		88.3	66.1	122				
Indeno(1,2,3-cd)pyrene	1.836	0.050	2.000		91.8	58.8	132				
Naphthalene	1.586	0.50	2.000		79.3	60.6	120				
Phenanthrene	1.737	0.050	2.000		86.8	65.9	118				
Pyrene	1.836	0.050	2.000		91.8	70.2	129				
Surr: 4-Terphenyl-d14	1.953	0	2.000		97.7	58.5	125				

Sample ID: **1709L05-037AMS** Client ID: **GW-26I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765514**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.677	0.50	2.000		83.9	56.9	120				
2-Methylnaphthalene	1.703	0.50	2.000		85.1	54.5	120				
Acenaphthene	1.609	0.50	2.000		80.4	49.7	118				
Acenaphthylene	1.616	1.0	2.000		80.8	56.7	120				
Anthracene	1.719	0.050	2.000	0.04236	83.8	54.4	117				
Benz(a)anthracene	1.869	0.050	2.000		93.4	52.4	135				
Benzo(a)pyrene	1.724	0.050	2.000		86.2	51.5	117				
Benzo(b)fluoranthene	1.641	0.10	2.000		82.1	45.6	124				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248887

Sample ID: **1709L05-037AMS** Client ID: **GW-26I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765514**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	1.520	0.10	2.000		76.0	45.9	120				
Benzo(k)fluoranthene	1.653	0.050	2.000		82.6	51.8	122				
Chrysene	1.632	0.050	2.000		81.6	59.9	120				
Dibenz(a,h)anthracene	1.467	0.10	2.000	0.01361	72.7	41.6	120				
Fluoranthene	1.772	0.10	2.000		88.6	59.7	122				
Fluorene	1.701	0.10	2.000		85.0	57.9	117				
Indeno(1,2,3-cd)pyrene	1.588	0.050	2.000		79.4	45.5	120				
Naphthalene	1.558	0.50	2.000		77.9	53.9	120				
Phenanthrene	1.628	0.050	2.000		81.4	58.1	120				
Pyrene	1.720	0.050	2.000		86.0	61.6	120				
Surr: 4-Terphenyl-d14	1.774	0	2.000		88.7	58.5	125				

Sample ID: **1709L05-037AMSD** Client ID: **GW-26I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765515**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.578	0.50	2.000		78.9	56.9	120	1.677	6.07	27.4	
2-Methylnaphthalene	1.591	0.50	2.000		79.6	54.5	120	1.703	6.78	18.8	
Acenaphthene	1.514	0.50	2.000		75.7	49.7	118	1.609	6.05	17.4	
Acenaphthylene	1.516	1.0	2.000		75.8	56.7	120	1.616	6.40	19.5	
Anthracene	1.662	0.050	2.000	0.04236	81.0	54.4	117	1.719	3.39	24.5	
Benz(a)anthracene	1.814	0.050	2.000		90.7	52.4	135	1.869	2.97	30.2	
Benzo(a)pyrene	1.677	0.050	2.000		83.8	51.5	117	1.724	2.78	25.6	
Benzo(b)fluoranthene	1.595	0.10	2.000		79.8	45.6	124	1.641	2.84	20.9	
Benzo(g,h,i)perylene	1.485	0.10	2.000		74.3	45.9	120	1.520	2.32	28.6	
Benzo(k)fluoranthene	1.630	0.050	2.000		81.5	51.8	122	1.653	1.36	28.6	
Chrysene	1.603	0.050	2.000		80.2	59.9	120	1.632	1.77	26.4	
Dibenz(a,h)anthracene	1.435	0.10	2.000	0.01361	71.1	41.6	120	1.467	2.23	17.8	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248887

Sample ID: **1709L05-037AMSD** Client ID: **GW-26I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **353027**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248887** Analysis Date: **09/27/2017** Seq No: **7765515**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	1.733	0.10	2.000		86.7	59.7	122	1.772	2.19	22.1	
Fluorene	1.609	0.10	2.000		80.4	57.9	117	1.701	5.54	20.8	
Indeno(1,2,3-cd)pyrene	1.552	0.050	2.000		77.6	45.5	120	1.588	2.33	19.3	
Naphthalene	1.444	0.50	2.000		72.2	53.9	120	1.558	7.54	20.6	
Phenanthrene	1.590	0.050	2.000		79.5	58.1	120	1.628	2.36	19.4	
Pyrene	1.653	0.050	2.000		82.6	61.6	120	1.720	3.97	21.2	
Surr: 4-Terphenyl-d14	1.713	0	2.000		85.6	58.5	125	1.774	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248900

Sample ID: **MB-248900** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352897**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248900** Analysis Date: **09/25/2017** Seq No: **7762757**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
o-Xylene	BRL	1.0									
Toluene	BRL	1.0									
Surr: 4-Bromofluorobenzene	49.25	0	50.00		98.5	66.1	129				

Sample ID: **LCS-248900** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352897**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248900** Analysis Date: **09/25/2017** Seq No: **7762756**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	45.54	1.0	50.00		91.1	74	125				
Ethylbenzene	49.83	1.0	50.00		99.7	80.9	121				
m,p-Xylene	98.47	1.0	100.0		98.5	80.3	126				
o-Xylene	52.14	1.0	50.00		104	76.9	129				
Toluene	47.81	1.0	50.00		95.6	75.9	126				
Surr: 4-Bromofluorobenzene	56.79	0	50.00		114	66.1	129				

Sample ID: **1709H70-001AMS** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352897**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248900** Analysis Date: **09/25/2017** Seq No: **7762779**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	46.74	1.0	50.00	1.470	90.5	71.6	132				
Ethylbenzene	51.81	1.0	50.00	0.5700	102	81.2	130				
m,p-Xylene	104.3	1.0	100.0	3.620	101	76	139				
o-Xylene	57.62	1.0	50.00	3.430	108	76.8	137				
Toluene	56.48	1.0	50.00	5.950	101	72.5	135				
Surr: 4-Bromofluorobenzene	57.27	0	50.00		115	66.1	129				

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248900**

Sample ID: **1709H70-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/25/2017** Run No: **352897**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248900** Analysis Date: **09/25/2017** Seq No: **7762780**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	45.54	1.0	50.00	1.470	88.1	71.6	132	46.74	2.60	20.7	
Ethylbenzene	50.35	1.0	50.00	0.5700	99.6	81.2	130	51.81	2.86	20	
m,p-Xylene	98.13	1.0	100.0	3.620	94.5	76	139	104.3	6.11	20	
o-Xylene	55.94	1.0	50.00	3.430	105	76.8	137	57.62	2.96	20	
Toluene	55.21	1.0	50.00	5.950	98.5	72.5	135	56.48	2.27	23.2	
Surr: 4-Bromofluorobenzene	57.77	0	50.00		116	66.1	129	57.27	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248918

Sample ID: **MB-248918** Client ID: Units: **mg/L** Prep Date: **09/27/2017** Run No: **353228**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **248918** Analysis Date: **09/28/2017** Seq No: **7770393**

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									
Barium	BRL	0.0200									
Cadmium	BRL	0.0050									
Chromium	BRL	0.0100									
Lead	BRL	0.0100									
Selenium	BRL	0.0200									
Silver	BRL	0.0100									

Sample ID: **LCS-248918** Client ID: Units: **mg/L** Prep Date: **09/27/2017** Run No: **353228**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **248918** Analysis Date: **09/28/2017** Seq No: **7770394**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9970	0.0500	1.000		99.7	80	120				
Barium	0.9546	0.0200	1.000	0.003460	95.1	80	120				
Cadmium	0.8938	0.0050	1.000	0.001810	89.2	80	120				
Chromium	0.9572	0.0100	1.000	0.003220	95.4	80	120				
Lead	0.9893	0.0100	1.000	0.004700	98.5	80	120				
Selenium	1.003	0.0200	1.000		100	80	120				
Silver	0.09490	0.0100	0.1000		94.9	80	120				

Sample ID: **1709K98-001BMS** Client ID: Units: **mg/L** Prep Date: **09/27/2017** Run No: **353228**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **248918** Analysis Date: **09/28/2017** Seq No: **7770396**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9771	0.0500	1.000		97.7	75	125				
Barium	0.9539	0.0200	1.000	0.02218	93.2	75	125				
Cadmium	0.8775	0.0050	1.000		87.7	75	125				
Chromium	0.9420	0.0100	1.000	0.003660	93.8	75	125				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248918**

Sample ID: **1709K98-001BMS** Client ID: Units: **mg/L** Prep Date: **09/27/2017** Run No: **353228**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248918** Analysis Date: **09/28/2017** Seq No: **7770396**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9668	0.0100	1.000		96.7	75	125				
Selenium	0.9802	0.0200	1.000		98.0	75	125				
Silver	0.09290	0.0100	0.1000		92.9	75	125				

Sample ID: **1709K98-001BMSD** Client ID: Units: **mg/L** Prep Date: **09/27/2017** Run No: **353228**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **248918** Analysis Date: **09/28/2017** Seq No: **7770397**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9769	0.0500	1.000		97.7	75	125	0.9771	0.025	20	
Barium	0.9528	0.0200	1.000	0.02218	93.1	75	125	0.9539	0.110	20	
Cadmium	0.8734	0.0050	1.000		87.3	75	125	0.8775	0.461	20	
Chromium	0.9398	0.0100	1.000	0.003660	93.6	75	125	0.9420	0.226	20	
Lead	0.9682	0.0100	1.000		96.8	75	125	0.9668	0.150	20	
Selenium	0.9783	0.0200	1.000		97.8	75	125	0.9802	0.195	20	
Silver	0.09274	0.0100	0.1000		92.7	75	125	0.09290	0.172	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248919**

Sample ID: **MB-248919** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352997**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248919** Analysis Date: **09/26/2017** Seq No: **7765487**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
o-Xylene	BRL	1.0									
Toluene	BRL	1.0									
Surr: 4-Bromofluorobenzene	39.59	0	50.00		79.2	66.1	129				

Sample ID: **LCS-248919** Client ID: Units: **ug/L** Prep Date: **09/26/2017** Run No: **352997**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248919** Analysis Date: **09/26/2017** Seq No: **7765490**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	46.95	1.0	50.00		93.9	74	125				
Ethylbenzene	50.80	1.0	50.00		102	80.9	121				
m,p-Xylene	100.8	1.0	100.0		101	80.3	126				
o-Xylene	49.69	1.0	50.00		99.4	76.9	129				
Toluene	49.11	1.0	50.00		98.2	75.9	126				
Surr: 4-Bromofluorobenzene	41.38	0	50.00		82.8	66.1	129				

Sample ID: **1709L05-043AMS** Client ID: **GW-29I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **352997**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248919** Analysis Date: **09/27/2017** Seq No: **7765536**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	49.38	1.0	50.00		98.8	71.6	132				
Ethylbenzene	51.48	1.0	50.00		103	81.2	130				
m,p-Xylene	103.2	1.0	100.0		103	76	139				
o-Xylene	50.17	1.0	50.00		100	76.8	137				
Toluene	51.62	1.0	50.00		103	72.5	135				
Surr: 4-Bromofluorobenzene	41.52	0	50.00		83.0	66.1	129				

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

Analytical Environmental Services, Inc

Date: 3-Oct-17

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248919**

Sample ID: **1709L05-043AMSD** Client ID: **GW-29I** Units: **ug/L** Prep Date: **09/26/2017** Run No: **352997**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248919** Analysis Date: **09/27/2017** Seq No: **7765537**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	48.12	1.0	50.00		96.2	71.6	132	49.38	2.58	20.7	
Ethylbenzene	50.97	1.0	50.00		102	81.2	130	51.48	0.996	20	
m,p-Xylene	101.3	1.0	100.0		101	76	139	103.2	1.82	20	
o-Xylene	49.49	1.0	50.00		99.0	76.8	137	50.17	1.36	20	
Toluene	49.74	1.0	50.00		99.5	72.5	135	51.62	3.71	23.2	
Surr: 4-Bromofluorobenzene	41.80	0	50.00		83.6	66.1	129	41.52	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248952

Sample ID: **MB-248952** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353038**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/27/2017** Seq No: **7765910**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	0.50									
2-Methylnaphthalene	BRL	0.50									
Acenaphthene	BRL	0.50									
Acenaphthylene	BRL	1.0									
Anthracene	BRL	0.050									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	0.10									
Benzo(k)fluoranthene	BRL	0.050									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	0.10									
Fluorene	BRL	0.10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	0.50									
Phenanthrene	BRL	0.050									
Pyrene	BRL	0.050									
Surr: 4-Terphenyl-d14	2.152	0	2.000		108	58.5	125				

Sample ID: **LCS-248952** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353038**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/27/2017** Seq No: **7765911**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.712	0.50	2.000		85.6	61.8	120				
2-Methylnaphthalene	1.728	0.50	2.000		86.4	59.5	120				
Acenaphthene	1.834	0.50	2.000		91.7	69.1	117				
Acenaphthylene	1.749	1.0	2.000		87.4	59.7	118				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248952**

Sample ID: **LCS-248952** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353038**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/27/2017** Seq No: **7765911**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.919	0.050	2.000		96.0	64.7	121				
Benz(a)anthracene	2.034	0.050	2.000		102	61.7	139				
Benzo(a)pyrene	1.998	0.050	2.000		99.9	65.1	124				
Benzo(b)fluoranthene	1.876	0.10	2.000		93.8	60.8	129				
Benzo(g,h,i)perylene	1.870	0.10	2.000		93.5	60.1	129				
Benzo(k)fluoranthene	2.196	0.050	2.000		110	69.6	130				
Chrysene	2.256	0.050	2.000		113	76.5	127				
Dibenz(a,h)anthracene	1.669	0.10	2.000		83.4	55.2	126				
Fluoranthene	2.009	0.10	2.000		100	66.5	133				
Fluorene	1.893	0.10	2.000		94.6	66.1	122				
Indeno(1,2,3-cd)pyrene	1.715	0.050	2.000		85.7	58.8	132				
Naphthalene	1.675	0.50	2.000		83.7	60.6	120				
Phenanthrene	1.949	0.050	2.000		97.4	65.9	118				
Pyrene	2.146	0.050	2.000		107	70.2	129				
Surr: 4-Terphenyl-d14	2.172	0	2.000		109	58.5	125				

Sample ID: **1709L05-050BMS** Client ID: **GW-33I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353167**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/28/2017** Seq No: **7769768**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.371	0.50	2.000	0.7891	79.1	56.9	120				
2-Methylnaphthalene	1.748	0.50	2.000	0.2010	77.3	54.5	120				
Acenaphthene	3.292	0.50	2.000	1.470	91.1	49.7	118				
Acenaphthylene	1.579	1.0	2.000	0.04641	76.6	56.7	120				
Anthracene	1.725	0.050	2.000	0.08116	82.2	54.4	117				
Benz(a)anthracene	1.824	0.050	2.000		91.2	52.4	135				
Benzo(a)pyrene	1.554	0.050	2.000		77.7	51.5	117				
Benzo(b)fluoranthene	1.643	0.10	2.000		82.1	45.6	124				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248952**

Sample ID: **1709L05-050BMS** Client ID: **GW-33I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353167**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/28/2017** Seq No: **7769768**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(g,h,i)perylene	1.537	0.10	2.000		76.9	45.9	120				
Benzo(k)fluoranthene	1.949	0.050	2.000		97.4	51.8	122				
Chrysene	2.068	0.050	2.000		103	59.9	120				
Dibenz(a,h)anthracene	1.264	0.10	2.000		63.2	41.6	120				
Fluoranthene	2.181	0.10	2.000	0.2513	96.5	59.7	122				
Fluorene	2.037	0.10	2.000	0.1526	94.2	57.9	117				
Indeno(1,2,3-cd)pyrene	1.442	0.050	2.000		72.1	45.5	120				
Naphthalene	8.103	0.50	2.000	6.514	79.4	53.9	120				
Phenanthrene	2.284	0.050	2.000	0.3962	94.4	58.1	120				
Pyrene	2.186	0.050	2.000	0.1276	103	61.6	120				
Surr: 4-Terphenyl-d14	1.774	0	2.000		88.7	58.5	125				

Sample ID: **1709L05-050BMSD** Client ID: **GW-33I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353167**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/28/2017** Seq No: **7769769**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.483	0.50	2.000	0.7891	84.7	56.9	120	2.371	4.62	27.4	
2-Methylnaphthalene	1.911	0.50	2.000	0.2010	85.5	54.5	120	1.748	8.92	18.8	
Acenaphthene	3.184	0.50	2.000	1.470	85.7	49.7	118	3.292	3.33	17.4	
Acenaphthylene	1.653	1.0	2.000	0.04641	80.3	56.7	120	1.579	4.58	19.5	
Anthracene	1.763	0.050	2.000	0.08116	84.1	54.4	117	1.725	2.14	24.5	
Benz(a)anthracene	1.813	0.050	2.000		90.7	52.4	135	1.824	0.593	30.2	
Benzo(a)pyrene	1.648	0.050	2.000		82.4	51.5	117	1.554	5.88	25.6	
Benzo(b)fluoranthene	1.563	0.10	2.000		78.1	45.6	124	1.643	5.01	20.9	
Benzo(g,h,i)perylene	1.559	0.10	2.000		77.9	45.9	120	1.537	1.40	28.6	
Benzo(k)fluoranthene	1.934	0.050	2.000		96.7	51.8	122	1.949	0.743	28.6	
Chrysene	2.032	0.050	2.000		102	59.9	120	2.068	1.78	26.4	
Dibenz(a,h)anthracene	1.322	0.10	2.000		66.1	41.6	120	1.264	4.51	17.8	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248952**

Sample ID: **1709L05-050BMSD** Client ID: **GW-33I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353167**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **248952** Analysis Date: **09/28/2017** Seq No: **7769769**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	2.108	0.10	2.000	0.2513	92.8	59.7	122	2.181	3.41	22.1	
Fluorene	2.002	0.10	2.000	0.1526	92.5	57.9	117	2.037	1.71	20.8	
Indeno(1,2,3-cd)pyrene	1.457	0.050	2.000		72.9	45.5	120	1.442	1.05	19.3	
Naphthalene	8.150	0.50	2.000	6.514	81.8	53.9	120	8.103	0.587	20.6	
Phenanthrene	2.163	0.050	2.000	0.3962	88.3	58.1	120	2.284	5.47	19.4	
Pyrene	2.097	0.050	2.000	0.1276	98.5	61.6	120	2.186	4.13	21.2	
Surr: 4-Terphenyl-d14	1.943	0	2.000		97.1	58.5	125	1.774	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248982**

Sample ID: **MB-248982** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353053**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/27/2017** Seq No: **7766028**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	BRL	1.0									
Ethylbenzene	BRL	1.0									
m,p-Xylene	BRL	1.0									
o-Xylene	BRL	1.0									
Toluene	BRL	1.0									
Surr: 4-Bromofluorobenzene	42.08	0	50.00		84.2	66.1	129				

Sample ID: **LCS-248982** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353053**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/27/2017** Seq No: **7767356**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	47.46	1.0	50.00		94.9	74	125				
Ethylbenzene	48.89	1.0	50.00		97.8	80.9	121				
m,p-Xylene	91.21	1.0	100.0		91.2	80.3	126				
o-Xylene	46.26	1.0	50.00		92.5	76.9	129				
Toluene	49.34	1.0	50.00		98.7	75.9	126				
Surr: 4-Bromofluorobenzene	42.09	0	50.00		84.2	66.1	129				

Sample ID: **1709L05-003AMS** Client ID: **GW-30S** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353053**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/27/2017** Seq No: **7767358**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	48.19	1.0	50.00		96.4	71.6	132				
Ethylbenzene	50.19	1.0	50.00		100	81.2	130				
m,p-Xylene	93.97	1.0	100.0		94.0	76	139				
o-Xylene	48.46	1.0	50.00		96.9	76.8	137				
Toluene	51.28	1.0	50.00		103	72.5	135				
Surr: 4-Bromofluorobenzene	42.49	0	50.00		85.0	66.1	129				

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 248982

Sample ID: **1709L05-012AMS** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353061**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/28/2017** Seq No: **7767645**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	45.19	1.0	50.00		90.4	71.6	132				
Ethylbenzene	48.77	1.0	50.00		97.5	81.2	130				
m,p-Xylene	95.65	1.0	100.0		95.6	76	139				
o-Xylene	51.75	1.0	50.00		104	76.8	137				
Toluene	48.64	1.0	50.00		97.3	72.5	135				
Surr: 4-Bromofluorobenzene	52.19	0	50.00		104	66.1	129				

Sample ID: **1709L05-013AMS** Client ID: **GW-23I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353061**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/28/2017** Seq No: **7767648**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	45.31	1.0	50.00		90.6	71.6	132				
Ethylbenzene	49.46	1.0	50.00		98.9	81.2	130				
m,p-Xylene	97.70	1.0	100.0		97.7	76	139				
o-Xylene	52.32	1.0	50.00		105	76.8	137				
Toluene	49.01	1.0	50.00		98.0	72.5	135				
Surr: 4-Bromofluorobenzene	53.45	0	50.00		107	66.1	129				

Sample ID: **1709L05-003AMSD** Client ID: **GW-30S** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353053**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/27/2017** Seq No: **7767360**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	47.60	1.0	50.00		95.2	71.6	132	48.19	1.23	20.7	
Ethylbenzene	49.24	1.0	50.00		98.5	81.2	130	50.19	1.91	20	
m,p-Xylene	92.12	1.0	100.0		92.1	76	139	93.97	1.99	20	
o-Xylene	46.92	1.0	50.00		93.8	76.8	137	48.46	3.23	20	
Toluene	50.49	1.0	50.00		101	72.5	135	51.28	1.55	23.2	
Surr: 4-Bromofluorobenzene	43.03	0	50.00		86.1	66.1	129	42.49	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **248982**

Sample ID: **1709L05-012AMSD** Client ID: **GW-12 I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353061**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/28/2017** Seq No: **7767646**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	44.27	1.0	50.00		88.5	71.6	132	45.19	2.06	20.7	
Ethylbenzene	48.15	1.0	50.00		96.3	81.2	130	48.77	1.28	20	
m,p-Xylene	96.57	1.0	100.0		96.6	76	139	95.65	0.957	20	
o-Xylene	51.22	1.0	50.00		102	76.8	137	51.75	1.03	20	
Toluene	47.98	1.0	50.00		96.0	72.5	135	48.64	1.37	23.2	
Surr: 4-Bromofluorobenzene	51.96	0	50.00		104	66.1	129	52.19	0	0	

Sample ID: **1709L05-013AMSD** Client ID: **GW-23I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353061**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **248982** Analysis Date: **09/28/2017** Seq No: **7767649**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	45.67	1.0	50.00		91.3	71.6	132	45.31	0.791	20.7	
Ethylbenzene	49.87	1.0	50.00		99.7	81.2	130	49.46	0.826	20	
m,p-Xylene	98.58	1.0	100.0		98.6	76	139	97.70	0.897	20	
o-Xylene	52.31	1.0	50.00		105	76.8	137	52.32	0.019	20	
Toluene	49.48	1.0	50.00		99.0	72.5	135	49.01	0.954	23.2	
Surr: 4-Bromofluorobenzene	48.17	0	50.00		96.3	66.1	129	53.45	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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **249045**

Sample ID: **MB-249045**	Client ID:		Units: **ug/L**	Prep Date: **09/27/2017**	Run No: **353090**
SampleType: **MBLK**	TestCode: **TCL VOLATILE ORGANICS SW8260B**		BatchID: **249045**	Analysis Date: **09/27/2017**	Seq No: **7767329**

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **249045**

Sample ID: **MB-249045** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353090**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **249045** Analysis Date: **09/27/2017** Seq No: **7767329**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	37.23	0	50.00		74.5	66.1	129				
Surr: Dibromofluoromethane	46.00	0	50.00		92.0	83.6	123				
Surr: Toluene-d8	46.18	0	50.00		92.4	81.8	118				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: 249045

Sample ID: **LCS-249045** Client ID: Units: **ug/L** Prep Date: **09/27/2017** Run No: **353090**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **249045** Analysis Date: **09/27/2017** Seq No: **7767331**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.18	5.0	50.00		88.4	68	139				
Benzene	45.38	5.0	50.00		90.8	74	125				
Chlorobenzene	50.47	5.0	50.00		101	75.7	123				
Toluene	47.28	5.0	50.00		94.6	75.9	126				
Trichloroethene	49.31	5.0	50.00		98.6	70.6	129				
Surr: 4-Bromofluorobenzene	38.94	0	50.00		77.9	66.1	129				
Surr: Dibromofluoromethane	46.51	0	50.00		93.0	83.6	123				
Surr: Toluene-d8	46.74	0	50.00		93.5	81.8	118				

Sample ID: **1709L05-046AMS** Client ID: **GW-1I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353149**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **249045** Analysis Date: **09/28/2017** Seq No: **7768335**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	44.82	5.0	50.00		89.6	64.3	149				
Benzene	43.97	5.0	50.00		87.9	71.6	132				
Chlorobenzene	48.29	5.0	50.00		96.6	73.1	126				
Toluene	46.22	5.0	50.00		92.4	72.5	135				
Trichloroethene	50.20	5.0	50.00		100	70.2	132				
Surr: 4-Bromofluorobenzene	37.31	0	50.00		74.6	66.1	129				
Surr: Dibromofluoromethane	46.49	0	50.00		93.0	83.6	123				
Surr: Toluene-d8	46.99	0	50.00		94.0	81.8	118				

Sample ID: **1709L05-046AMSD** Client ID: **GW-1I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353149**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **249045** Analysis Date: **09/28/2017** Seq No: **7768336**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	41.08	5.0	50.00		82.2	64.3	149	44.82	8.71	30.8	
Benzene	43.26	5.0	50.00		86.5	71.6	132	43.97	1.63	20.7	

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: AECOM
Project Name: GDOT - Walker Street
Workorder: 1709L05

ANALYTICAL QC SUMMARY REPORT

BatchID: **249045**

Sample ID: **1709L05-046AMSD** Client ID: **GW-1I** Units: **ug/L** Prep Date: **09/27/2017** Run No: **353149**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **249045** Analysis Date: **09/28/2017** Seq No: **7768336**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	47.26	5.0	50.00		94.5	73.1	126	48.29	2.16	26.6	
Toluene	43.83	5.0	50.00		87.7	72.5	135	46.22	5.31	23.2	
Trichloroethene	44.09	5.0	50.00		88.2	70.2	132	50.20	13.0	27.7	
Surr: 4-Bromofluorobenzene	35.88	0	50.00		71.8	66.1	129	37.31	0	0	
Surr: Dibromofluoromethane	46.90	0	50.00		93.8	83.6	123	46.49	0	0	
Surr: Toluene-d8	47.14	0	50.00		94.3	81.8	118	46.99	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		

Appendix E
Type 4 RRS Calculations

Soil Area Averaging Summary Results

Analyte	Units	UCL	Type	Type 3 RRS	Type 4 RRS
Benzo(a)anthracene	mg/kg	6.131	97.5% KM (Chebyshev) UCL	5	9.21
Benzo(a)pyrene	mg/kg	1.224	95% KM Bootstrap t UCL	1.64	
Benzo(b)fluoranthene	mg/kg	3.185	95% KM Bootstrap t UCL	5	
Phenanthrene	mg/kg	25.997	KM Bootstrap t UCL	110	

Notes:
UCL - Upper Confidence Limit
mg/kg - milligrams per kilogram
RRS - Risk Reduction Standards
KM - Kaplan-Meirer
5 - the UCL exceeds the Type 3 RRS.
The Type 3 RRS values are based on the notification concentration. A risk-based Type 4 RRS was calculated for Benzo(a)anthracene.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.111/18/2017 6:08:11 PM
From File	ProUCLInput.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

BAA

General Statistics

Total Number of Observations	14	Number of Distinct Observations	14
Number of Detects	13	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	4.8	Minimum Non-Detect	2
Maximum Detect	9700	Maximum Non-Detect	2
Variance Detects	8927644	Percent Non-Detects	7.143%
Mean Detects	1385	SD Detects	2988
Median Detects	190	CV Detects	2.157
Skewness Detects	2.438	Kurtosis Detects	5.239
Mean of Logged Detects	5.398	SD of Logged Detects	2

Normal GOF Test on Detects Only

Shapiro Wilk Test Statistic	0.514	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.457	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.234	Detected Data Not Normal at 5% Significance Level

Detected Data Not Normal at 5% Significance Level

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs

KM Mean	1286	KM Standard Error of Mean	775.9
KM SD	2789	95% KM (BCA) UCL	2721
95% KM (t) UCL	2660	95% KM (Percentile Bootstrap) UCL	2662
95% KM (z) UCL	2562	95% KM Bootstrap t UCL	20491
90% KM Chebyshev UCL	3614	95% KM Chebyshev UCL	4668
97.5% KM Chebyshev UCL	6131	99% KM Chebyshev UCL	9006

Gamma GOF Tests on Detected Observations Only

A-D Test Statistic	1.247	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.817	Detected Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.314	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.254	Detected Data Not Gamma Distributed at 5% Significance Level

Detected Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics on Detected Data Only

k hat (MLE)	0.364	k star (bias corrected MLE)	0.331
Theta hat (MLE)	3803	Theta star (bias corrected MLE)	4179
nu hat (MLE)	9.467	nu star (bias corrected)	8.616
Mean (detects)	1385		

Gamma ROS Statistics using Imputed Non-Detects

GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs

GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)

For such situations, GROS method may yield incorrect values of UCLs and BTVs

This is especially true when the sample size is small.

For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates

Minimum	0.01	Mean	1286
Maximum	9700	Median	175

SD	2894	CV	2.251
k hat (MLE)	0.281	k star (bias corrected MLE)	0.269
Theta hat (MLE)	4569	Theta star (bias corrected MLE)	4784
nu hat (MLE)	7.881	nu star (bias corrected)	7.526
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (7.53, α)	2.464	Adjusted Chi Square Value (7.53, β)	2.097
95% Gamma Approximate UCL (use when n>=50)	3928	95% Gamma Adjusted UCL (use when n<50)	4616
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1286	SD (KM)	2789
Variance (KM)	7779111	SE of Mean (KM)	775.9
k hat (KM)	0.213	k star (KM)	0.215
nu hat (KM)	5.954	nu star (KM)	6.011
theta hat (KM)	6048	theta star (KM)	5991
80% gamma percentile (KM)	1755	90% gamma percentile (KM)	3888
95% gamma percentile (KM)	6503	99% gamma percentile (KM)	13621
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (6.01, α)	1.646	Adjusted Chi Square Value (6.01, β)	1.362
95% Gamma Approximate KM-UCL (use when n>=50)	4698	95% Gamma Adjusted KM-UCL (use when n<50)	5675
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.943	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1286	Mean in Log Scale	5.057
SD in Original Scale	2894	SD in Log Scale	2.308
95% t UCL (assumes normality of ROS data)	2656	95% Percentile Bootstrap UCL	2663
95% BCA Bootstrap UCL	3040	95% Bootstrap t UCL	20412
95% H-UCL (Log ROS)	66920		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	5.062	KM Geo Mean	158
KM SD (logged)	2.213	95% Critical H Value (KM-Log)	5.106
KM Standard Error of Mean (logged)	0.615	95% H-UCL (KM -Log)	41922
KM SD (logged)	2.213	95% Critical H Value (KM-Log)	5.106
KM Standard Error of Mean (logged)	0.615		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1286	Mean in Log Scale	5.013
SD in Original Scale	2894	SD in Log Scale	2.403
95% t UCL (Assumes normality)	2656	95% H-Stat UCL	104978
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Lognormal Distributed at 5% Significance Level			
Suggested UCL to Use			
97.5% KM (Chebyshev) UCL	6131	99% KM (Chebyshev) UCL	9006
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

BAP

General Statistics			
Total Number of Observations	14	Number of Distinct Observations	14
Number of Detects	13	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	6.3	Minimum Non-Detect	2
Maximum Detect	2300	Maximum Non-Detect	2
Variance Detects	657435	Percent Non-Detects	7.143%
Mean Detects	570.2	SD Detects	810.8
Median Detects	180	CV Detects	1.422
Skewness Detects	1.558	Kurtosis Detects	0.969
Mean of Logged Detects	5.27	SD of Logged Detects	1.683

Normal GOF Test on Detects Only		
Shapiro Wilk Test Statistic	0.692	**Shapiro Wilk GOF Test**
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Normal at 5% Significance Level
Lilliefors Test Statistic	0.333	**Lilliefors GOF Test**
5% Lilliefors Critical Value	0.234	Detected Data Not Normal at 5% Significance Level
Detected Data Not Normal at 5% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	529.6	KM Standard Error of Mean	212.7
KM SD	764.8	95% KM (BCA) UCL	933.2
95% KM (t) UCL	906.4	95% KM (Percentile Bootstrap) UCL	890.8
95% KM (z) UCL	879.5	95% KM Bootstrap t UCL	1224
90% KM Chebyshev UCL	1168	95% KM Chebyshev UCL	1457
97.5% KM Chebyshev UCL	1858	99% KM Chebyshev UCL	2646

Gamma GOF Tests on Detected Observations Only		
A-D Test Statistic	0.554	**Anderson-Darling GOF Test**
5% A-D Critical Value	0.784	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.19	**Kolmogorov-Smirnov GOF**
5% K-S Critical Value	0.249	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics on Detected Data Only			
k hat (MLE)	0.577	k star (bias corrected MLE)	0.495
Theta hat (MLE)	987.4	Theta star (bias corrected MLE)	1151
nu hat (MLE)	15.01	nu star (bias corrected)	12.88
Mean (detects)	570.2		

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	529.5
Maximum	2300	Median	150
SD	793.8	CV	1.499
k hat (MLE)	0.387	k star (bias corrected MLE)	0.352
Theta hat (MLE)	1367	Theta star (bias corrected MLE)	1504
nu hat (MLE)	10.85	nu star (bias corrected)	9.857
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (9.86, α)	3.852	Adjusted Chi Square Value (9.86, β)	3.369
95% Gamma Approximate UCL (use when n>=50)	1355	95% Gamma Adjusted UCL (use when n<50)	1549

Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	529.6	SD (KM)	764.8
Variance (KM)	584927	SE of Mean (KM)	212.7
k hat (KM)	0.479	k star (KM)	0.424
nu hat (KM)	13.43	nu star (KM)	11.88
theta hat (KM)	1104	theta star (KM)	1248
80% gamma percentile (KM)	860.1	90% gamma percentile (KM)	1480
95% gamma percentile (KM)	2156	99% gamma percentile (KM)	3845
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (11.88, α)	5.15	Adjusted Chi Square Value (11.88, β)	4.575
95% Gamma Approximate KM-UCL (use when n>=50)	1222	95% Gamma Adjusted KM-UCL (use when n<50)	1376
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.958	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.115	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	529.7	Mean in Log Scale	4.978
SD in Original Scale	793.6	SD in Log Scale	1.951
95% t UCL (assumes normality of ROS data)	905.3	95% Percentile Bootstrap UCL	874
95% BCA Bootstrap UCL	940	95% Bootstrap t UCL	1225
95% H-UCL (Log ROS)	11570		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	4.943	KM Geo Mean	140.2
KM SD (logged)	1.954	95% Critical H Value (KM-Log)	4.582
KM Standard Error of Mean (logged)	0.544	95% H-UCL (KM -Log)	11322
KM SD (logged)	1.954	95% Critical H Value (KM-Log)	4.582
KM Standard Error of Mean (logged)	0.544		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	529.5	Mean in Log Scale	4.893
SD in Original Scale	793.7	SD in Log Scale	2.144
95% t UCL (Assumes normality)	905.2	95% H-Stat UCL	25513
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Gamma Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM Bootstrap t UCL	1224	Gamma Adjusted KM-UCL (use when k<=1 and 15 < n < 50 but k<=1)	1376
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
BBF			
General Statistics			
Total Number of Observations	14	Number of Distinct Observations	14
Number of Detects	13	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	14	Minimum Non-Detect	3.9

Maximum Detect	5900	Maximum Non-Detect	3.9
Variance Detects	3564530	Percent Non-Detects	7.143%
Mean Detects	1257	SD Detects	1888
Median Detects	430	CV Detects	1.502
Skewness Detects	1.851	Kurtosis Detects	2.457
Mean of Logged Detects	6.036	SD of Logged Detects	1.685
Normal GOF Test on Detects Only			
Shapiro Wilk Test Statistic	0.681	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.344	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data Not Normal at 5% Significance Level	
Detected Data Not Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	1167	KM Standard Error of Mean	494.4
KM SD	1777	95% KM (BCA) UCL	2093
95% KM (t) UCL	2043	95% KM (Percentile Bootstrap) UCL	2028
95% KM (z) UCL	1981	95% KM Bootstrap t UCL	3185
90% KM Chebyshev UCL	2651	95% KM Chebyshev UCL	3323
97.5% KM Chebyshev UCL	4255	99% KM Chebyshev UCL	6087
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.496	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.785	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.183	**Kolmogorov-Smirnov GOF**	
5% K-S Critical Value	0.249	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.567	k star (bias corrected MLE)	0.487
Theta hat (MLE)	2218	Theta star (bias corrected MLE)	2580
nu hat (MLE)	14.73	nu star (bias corrected)	12.66
Mean (detects)	1257		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	1167
Maximum	5900	Median	340
SD	1845	CV	1.581
k hat (MLE)	0.373	k star (bias corrected MLE)	0.34
Theta hat (MLE)	3131	Theta star (bias corrected MLE)	3428
nu hat (MLE)	10.44	nu star (bias corrected)	9.533
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (9.53, α)	3.652	Adjusted Chi Square Value (9.53, β)	3.184
95% Gamma Approximate UCL (use when n>=50)	3046	95% Gamma Adjusted UCL (use when n<50)	3494
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	1167	SD (KM)	1777
Variance (KM)	3159423	SE of Mean (KM)	494.4
k hat (KM)	0.431	k star (KM)	0.386
nu hat (KM)	12.08	nu star (KM)	10.82
theta hat (KM)	2707	theta star (KM)	3020
80% gamma percentile (KM)	1876	90% gamma percentile (KM)	3317
95% gamma percentile (KM)	4908	99% gamma percentile (KM)	8923

Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (10.82, α)	4.461	Adjusted Chi Square Value (10.82, β)	3.933
95% Gamma Approximate KM-UCL (use when n>=50)	2831	95% Gamma Adjusted KM-UCL (use when n<50)	3211
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.973	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data appear Lognormal at 5% Significance Level	
Lilliefors Test Statistic	0.0939	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data appear Lognormal at 5% Significance Level	
Detected Data appear Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	1167	Mean in Log Scale	5.743
SD in Original Scale	1844	SD in Log Scale	1.956
95% t UCL (assumes normality of ROS data)	2040	95% Percentile Bootstrap UCL	2022
95% BCA Bootstrap UCL	2263	95% Bootstrap t UCL	3278
95% H-UCL (Log ROS)	25479		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	5.702	KM Geo Mean	299.6
KM SD (logged)	1.971	95% Critical H Value (KM-Log)	4.615
KM Standard Error of Mean (logged)	0.548	95% H-UCL (KM -Log)	26011
KM SD (logged)	1.971	95% Critical H Value (KM-Log)	4.615
KM Standard Error of Mean (logged)	0.548		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	1167	Mean in Log Scale	5.653
SD in Original Scale	1845	SD in Log Scale	2.163
95% t UCL (Assumes normality)	2040	95% H-Stat UCL	59573
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Detected Data appear Gamma Distributed at 5% Significance Level			
Suggested UCL to Use			
95% KM Bootstrap t UCL	3185	Gamma Adjusted KM-UCL (use when k<=1 and 15 < n < 50 but k<=1)	3211
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			
Phen			
General Statistics			
Total Number of Observations	14	Number of Distinct Observations	14
Number of Detects	13	Number of Non-Detects	1
Number of Distinct Detects	13	Number of Distinct Non-Detects	1
Minimum Detect	6.6	Minimum Non-Detect	2
Maximum Detect	120000	Maximum Non-Detect	2
Variance Detects	1.100E+9	Percent Non-Detects	7.143%
Mean Detects	9633	SD Detects	33169
Median Detects	260	CV Detects	3.443
Skewness Detects	3.603	Kurtosis Detects	12.98
Mean of Logged Detects	5.721	SD of Logged Detects	2.279
Normal GOF Test on Detects Only			

Shapiro Wilk Test Statistic	0.324	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Normal at 5% Significance Level	
Lilliefors Test Statistic	0.505	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data Not Normal at 5% Significance Level	
Detected Data Not Normal at 5% Significance Level			
Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	8945	KM Standard Error of Mean	8570
KM SD	30809	95% KM (BCA) UCL	26038
95% KM (t) UCL	24122	95% KM (Percentile Bootstrap) UCL	25997
95% KM (z) UCL	23042	95% KM Bootstrap t UCL	1934386
90% KM Chebyshev UCL	34655	95% KM Chebyshev UCL	46301
97.5% KM Chebyshev UCL	62466	99% KM Chebyshev UCL	94217
Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	2.54	**Anderson-Darling GOF Test**	
5% A-D Critical Value	0.868	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.422	**Kolmogorov-Smirnov GOF**	
5% K-S Critical Value	0.261	Detected Data Not Gamma Distributed at 5% Significance Level	
Detected Data Not Gamma Distributed at 5% Significance Level			
Gamma Statistics on Detected Data Only			
k hat (MLE)	0.211	k star (bias corrected MLE)	0.214
Theta hat (MLE)	45579	Theta star (bias corrected MLE)	45044
nu hat (MLE)	5.495	nu star (bias corrected)	5.56
Mean (detects)	9633		
Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	8945
Maximum	120000	Median	245
SD	31972	CV	3.574
k hat (MLE)	0.182	k star (bias corrected MLE)	0.19
Theta hat (MLE)	49280	Theta star (bias corrected MLE)	47020
nu hat (MLE)	5.082	nu star (bias corrected)	5.327
Adjusted Level of Significance (β)	0.0312		
Approximate Chi Square Value (5.33, α)	1.306	Adjusted Chi Square Value (5.33, β)	1.063
95% Gamma Approximate UCL (use when n>=50)	36482	95% Gamma Adjusted UCL (use when n<50)	44817
Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	8945	SD (KM)	30809
Variance (KM)	9.492E+8	SE of Mean (KM)	8570
k hat (KM)	0.0843	k star (KM)	0.114
nu hat (KM)	2.36	nu star (KM)	3.188
theta hat (KM)	106113	theta star (KM)	78567
80% gamma percentile (KM)	7376	90% gamma percentile (KM)	24954
95% gamma percentile (KM)	51359	99% gamma percentile (KM)	133043
Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (3.19, α)	0.43	Adjusted Chi Square Value (3.19, β)	0.324
95% Gamma Approximate KM-UCL (use when n>=50)	66287	95% Gamma Adjusted KM-UCL (use when n<50)	87875
Lognormal GOF Test on Detected Observations Only			
Shapiro Wilk Test Statistic	0.862	**Shapiro Wilk GOF Test**	
5% Shapiro Wilk Critical Value	0.866	Detected Data Not Lognormal at 5% Significance Level	

Lilliefors Test Statistic	0.254	**Lilliefors GOF Test**	
5% Lilliefors Critical Value	0.234	Detected Data Not Lognormal at 5% Significance Level	
Detected Data Not Lognormal at 5% Significance Level			
Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	8945	Mean in Log Scale	5.355
SD in Original Scale	31972	SD in Log Scale	2.583
95% t UCL (assumes normality of ROS data)	24077	95% Percentile Bootstrap UCL	25893
95% BCA Bootstrap UCL	34612	95% Bootstrap t UCL	1947958
95% H-UCL (Log ROS)	398969		
Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	5.362	KM Geo Mean	213.1
KM SD (logged)	2.476	95% Critical H Value (KM-Log)	5.647
KM Standard Error of Mean (logged)	0.689	95% H-UCL (KM -Log)	220509
KM SD (logged)	2.476	95% Critical H Value (KM-Log)	5.647
KM Standard Error of Mean (logged)	0.689		
DL/2 Statistics			
DL/2 Normal		**DL/2 Log-Transformed**	
Mean in Original Scale	8945	Mean in Log Scale	5.312
SD in Original Scale	31972	SD in Log Scale	2.671
95% t UCL (Assumes normality)	24077	95% H-Stat UCL	634940
DL/2 is not a recommended method, provided for comparisons and historical reasons			
Nonparametric Distribution Free UCL Statistics			
Data do not follow a Discernible Distribution at 5% Significance Level			
Suggested UCL to Use			
KM Bootstrap t UCL	25997		
Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.			
Recommendations are based upon data size, data distribution, and skewness.			
These recommendations are based upon the results of the simulation studies summarized in Singh, Maichle, and Lee (2006).			
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.			

Type 4 Risk Reduction Standard in Soil

Chemical	Protection of Cancer Effects	Protection of Noncancer Effects	Concentration in Soil Protective of Groundwater (DAF=20)	Type 4 RRS (mg/kg)
Benzo(a)anthracene	2.61E+02	NC	9.21E+00	9.21E+00

Notes:
DAF = Dilution Attenuation Factor

Type 4 Groundwater Concentration Protective of Cancer Effects

Equation 1 RAGs Part B - Carcinogenic Effects for Non-Residential Scenario

$$TR = \frac{SFo \times C \times EF \times ED \times IRwater}{BW \times AT} + \frac{SFi \times C \times K \times EF \times ED \times IRair}{BW \times AT}$$

$$C(mg/L) = \frac{TR \times BW \times AT}{ED \times EF \times [(SFo \times IRwater) + (SFi \times IRair \times K)]}$$

Parameter	Definition	Value
C	Chemical Concentration in water (mg/L)	-
TR	Target Excess Individual Lifetime Cancer Risk (unitless) (1)	1.00E-05
SFo	Oral Cancer Slope Factor $(mg/kg\text{-}day)^{-1}$ (2)	Chemical-Specific
SFi	Inhalation Cancer Slope Factor $(mg/kg\text{-}day)^{-1}$ (2)	Chemical-Specific
BW	Body weight (kg) (3)	70
AT	Averaging time -carcinogen 70 years (4)	25550
EF	Exposure frequency (days/year) (5)	250
ED	Exposure duration (years) (5)	25
IRwater	Water Ingestion Rate (L/day) (6)	1
IRair	Inhalation rate (m^3/day) (7)	20
K	Volatilization Factor (0.0005 x 1000 L/m3) (8)	0.5

1) Target Risk: Default risk value for Class A and Class B carcinogens is 10-5; Class C carcinogens is 10-4 (Table 3 in Appendix III of Rule 391-3-19).
2) Slope Factors:Chemical-specific toxicity values obtained from IRIS (USEPA, 2017a) (I) for benzo(a)pyrene and adjusted using toxicity equivalency factors (TEF) as cited in USEPA Regional Screening Level Table (USEPA, 2017b)
3) Body Weight: Average body weights for adults (USEPA, 1989).
4) Averaging time: Carcinogens = 70-year lifetime expressed in days.
5) Exposure Frequency and Exposure Duration: USEPA standard default value for RME (USEPA,1991a).
6) Ingestion Rate: USEPA standard default RME (USEPA, 1991a).

7) Inhalation Rate: USEPA standard default RME (USEPA, 1991a).
8) Volatilization Factor: USEPA standard default as developed by Andelman for household uses of water (USEPA, 1991b)

Chemical	Sfo	Source	Sfi	Source	C (mg/L)
Benzo(a)anthracene	1.00E-01	(2)	2.10E-01	(2)	1.30E-03

References:

USEPA, 1989. Risk Assessment Guidance for Superfund. Volume I Human Health Evaluation Manual, Part A. Interim Final.Office of Emergency and Remedial Response, Washington D.C. December.

USEPA, 1991a. Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors. Washington, DC: Office of Emergency and Remedial Response. March.

USEPA, 1991b. Risk Assessment for Superfund: Volume 1 - Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals). Interim Final. Office of Emergency and Remedial Response, Washington D.C. December.

USEPA, 2017a. Integrated Risk Information System. Available on-line: http://www.epa.gov/ngispgm3/iris/irisdat/

USEPA, 2017b. EPA Regional Screening Level Table. November.

Type 4 Soil Concentration Protective of Cancer Effects
Non-Residential

Equation 6 RAGs Part B - Carcinogenic Effects for Non-Residential Scenario

$$TR = \frac{SFo \times C \times CF \times EF \times ED \times IRsoil}{BW \times AT} + \frac{SFi \times C \times EF \times ED \times IRair \times (1/VF + 1/PEF)}{BW \times AT}$$

$$C(mg/kg) = \frac{TR \times BW \times AT}{ED \times EF \times [SFo \times CF \times IRsoil) + (SFi \times IRair \times (1/VF + 1/PEF))]}$$

Parameter	Definition	Value
C	Chemical Concentration in soil (mg/kg)	-
TR	Target Excess Individual Lifetime Cancer Risk (unitless) (1)	1.00E-05
SFo	Oral Cancer Slope Factor $(mg/kg\text{-}day)^{-1}$ (2)	Chemical-Specific
SFi	Inhalation Cancer Slope Factor $(mg/kg\text{-}day)^{-1}$ (2)	Chemical-Specific
BW	Body weight (kg) (3)	70
AT	Averaging time -carcinogen 70 years (4)	25550
EF	Exposure frequency (days/year) (5)	250
ED	Exposure duration (years) (5)	25
IRsoil	Soil Ingestion Rate (mg/day) (6)	100
IRair	Inhalation rate (m^3/day) (7)	20
VF	Soil-to-air volatilization factor (m^3/kg) (8)	Chemical-Specific
PEF	Particulate emission factor (Site specific) (m^3/kg) (9)	4.63E+09
CF	Correction Factor (kg/mg)	1.00E-06

1) Target Risk: Default risk value for Class A and Class B carcinogens is 10-5; Class C carcinogens is 10-4 (Table 3 in Appendix III of Rule 391-3-19).
2) Slope Factors:Chemical-specific toxicity values obtained from IRIS (USEPA, 2017a) (I) for benzo(a)pyrene and adjusted using toxicity equivalency factors (TEF) as cited in USEPA Regional Screening Level Table (USEPA, 2017b)
3) Body Weight: Average body weights for adults and children (USEPA, 1989).
4) Averaging time: Carcinogens = 70-year lifetime expressed in days.

Type 4 Soil Concentration Protective of Cancer Effects
Non-Residential

5) Exposure Frequency and Exposure Duration: USEPA standard default value for RME (USEPA,1991a).
6) Ingestion Rate: USEPA standard default RME (USEPA, 1991a).
7) Inhalation Rate: USEPA standard default RME (USEPA, 1991a).
8) Volatilization Factor: Chemical specific volatilization factor calculated using Equation 8 in RAGS Part B (USEPA, 1991b).
9) Particulate Emission Factor: Site-specific PEF calculated using Equation 9 in RAGS Part B (USEPA, 1991b).

Chemical	Sfo	Source	Sfi	Source	C (mg/kg)
Benzo(a)anthracene	1.00E-01	(2)	2.10E-01	(2)	2.61E+02

References:

USEPA, 1989. Risk Assessment Guidance for Superfund. Volume I Human Health Evaluation Manual, Part A. Interim Final.Office of Emergency and Remedial Response, Washington D.C. December.

USEPA, 1991a. Human Health Evaluation Manual, Supplemental Guidance, Standard Default Exposure Factors. Washington, DC: Office of Emergency and Remedial Response. March.

USEPA, 1991b. Risk Assessment for Superfund: Volume 1 - Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals). Interim Final. Office of Emergency and Remedial Response, Washington D.C. December.

USEPA, 2017a. Integrated Risk Information System. Available on-line: http://www.epa.gov/ngispgm3/iris/irisdat/

USEPA, 2017b. EPA Regional Screening Level Table. November.

Soil Concentration Protective of Type 4 Groundwater Criterion

Soil Screening Level Partitioning Equation for Migration to Groundwater

$$SSL(mg/kg) = C_w * (K_{oc} f_{oc}) + \frac{Q_w + Q_a H'}{P_b}$$

(Equation 10 in Soil Screening Guidance: User's Guide)

Parameter	Definition	Value	Source
C_w	Target soil leachate concentration (mg/L)	Calculated	Type 4 RRS x DAF=20
K_{oc}	Organic carbon partition coefficient (L/kg)	Chemical-Specific	USEPA, 2017
f_{oc}	Fraction of organic carbon (g/g)	0.002	USEPA, 1996
Q_w	Water-filled soil porosity (Lwater/Lsoil)	0.3	USEPA, 1996
Q_a	Air-filled soil porosity (Lpore/Lsoil)	0.13	USEPA, 1996
H'	Henry's Law Constant (dimensionless)	Chemical-Specific	See Below
P_b	Dry Soil Bulk Density (kg/L)	1.5	USEPA, 1996

Chemical	H'	K_{oc} or Kd	Cw (mg/L)	SSL (mg/kg)
Benzo(a)anthracene	4.91E-04	1.77E+05	2.60E-02	9.21E+00

References:

USEPA, 1996. Soil Screening Guidance: User's Guide. Interim Final. Office of Solid Waste and Emergency Response. Washington, D.C. July.

USEPA, 2017. EPA Regional Screening Level Table. November.

Appendix F
Groundwater Sampling Log Sheets; September 2017 Sampling Event

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:		SITE LOCATION:
WELL NO: GW-1I	SAMPLE ID: GW-1I / DUP-5	DATE: 9/21/15

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 1.93	PURGE PUMP TYPE OR BAILER: Bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (38.77 feet – 1.93 feet) X 0.65 liters/foot = 23.9 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (45 feet X 0.005 liters/foot) + 0.4 liters = 10.65 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1718	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	545VCNW	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
103/25	1720	0.65	0.65	0.3	1.65	26.5	5.62	172	0.084	47.8	3.56
103/25	1730	2.3	2.95	0.23	5.53	22.6	5.50	186	0.080	29.2	0.81
103/25	1740	2.3	5.25	0.23	8.73	22.1	5.50	192	0.080	27.1	0.62
103/20	1750	1.2	6.45	0.12	10.23	23.1	5.48	196	0.080	22.1	0.54
103/20	1800	1.2	7.65	0.12	11.60	22.9	5.49	199	0.080	23.7	0.57
103/20	1810	1.2	8.85	0.12	12.88	22.8	5.49	203	0.080	20.4	0.52
103/20	1820	1.2	10.05	0.12	14.13	22.5	5.48	208	0.080	19.4	0.54
103/20	1830	1.2	11.25	0.12	15.46	22.2	5.46	215	0.080	18.1	0.50
103/20	1835	0.6	11.85	0.12	16.08	22.1	5.44	217	0.080	16.9	0.52
103/20	1840	0.6	12.45	0.12	16.66	22.1	5.45	219	0.080	16.5	0.54
103/20	1845	0.6	13.05	0.12	17.22	22.1	5.42	222	0.080	15.8	0.58
103/20	1850	0.6	13.65	0.12	17.79	22.0	5.39	224	0.080	16.4	0.60
105/40	1855	1.75	15.40	0.35	19.72	20.9	5.51	226	0.080	23.2	0.88
105/40	1900	1.75	17.15	0.35	22.63	20.8	5.55	227	0.080	15.5	1.37
105/40	1905	1.75	18.90	0.35	25.18	20.8	5.58	235	0.080	19.6	1.60
105/40	1910	1.75	20.65	0.35	27.41	20.9	5.55	241	0.080	19.1	1.82
105/40	1915	1.75	22.40	0.35	29.21	20.9	5.61	244	0.080	19.8	1.85
105/40	1920	1.75	24.15	0.35	30.59	21.1	5.57	250	0.079	18.9	1.89
105/40	1925	1.75	25.90	0.35	30.60	21.0	5.57	253	0.080	27.8	1.91

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): 0.75" = 0.10; 1" = 0.20; 1.25" = 0.30; 2" = 0.65; 3" = 1.45; 4" = 2.50; 5" = 3.90; 6" = 5.60; 8" = 9.75; 10" = 15.40; 12" = 21.80
TUBING CAPACITY (L Per Ft): 1/16" = 0.001 ; 0.17" = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; 1" = 0.16

NOTES:
1850 - All parameters stable except H_2O level. Significant drawdown. Switch to vol purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- **Turbidity:** <10 NTU, or stable (±5%)
- **pH:** ± 0.1 SU
- **Specific Conductance:** ± 5%

Optional:
- **Dissolved Oxygen:** 0.2 mg/L or 10% of saturation (whichever is greater)
- **Oxygen Reduction Potential:** ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
105/40	1930	1.75	27.65	0.35	30.60	20.9	5.53	253	0.079	56.3	1.18
105/40	1935	1.75	29.40	0.35	30.61	20.8	5.46	253	0.080	58.5	0.88

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: AECOM	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1940
PUMP OR TUBING DEPTH IN WELL (feet): 33	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1945
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-1I	2	40mL	CG	HCl	8260 VOCs	BP
DUP-5	2	40mL	CG	HCl	8260 VOCs	BP

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicon; T = Teflon; O = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-3I	SAMPLE ID: GW-3I	DATE: 9/18/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 3.10	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (34.58 feet – 3.10 feet) X 0.65 liters/foot ~ 20.46 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 16:54	PURGING ENDED AT: 18:18	TOTAL VOLUME PURGED (liters): 12.25
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	25.28 °C	3.15 SU	314 mV	4.40 mS/cm	0.00 NTU	8.33 mg/L
Calibrated Readings:	25.52 °C	4.00 SU	316 mV	4.49 mS/cm	0.00 NTU	12.16 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.01	16:58	0.65	0.65	0.16	3.77	27.80	5.31	229	0.091	0.06	5.63
4.00	17:03	0.75	1.40	0.15	4.41	27.37	5.08	243	0.057	0.00	4.83
4.00	17:08	0.75	2.15	0.15	5.02	27.22	5.08	250	0.039	0.15	4.65
3.99	17:13	0.75	2.90	0.15	5.63	26.89	5.08	253	0.036	0.44	4.62
3.99	17:18	0.75	3.65	0.15	6.07	26.79	5.08	258	0.034	0.21	4.35
4.00	17:23	0.75	4.40	0.15	6.46	26.70	5.86	215	0.037	0.27	4.36
4.00	17:28	0.75	5.15	0.15	6.77	26.65	5.89	217	0.037	0.30	4.27
4.00	17:33	0.75	5.90	0.15	7.07	26.53	5.92	218	0.034	0.48	4.32
4.00	17:38	0.75	6.65	0.15	7.35	26.42	5.79	228	0.033	0.37	4.33
3.84	17:43	0.75	7.40	0.15	7.55	26.53	5.54	244	0.032	0.36	4.36
3.84	17:48	0.75	8.15	0.15	7.73	26.37	5.49	249	0.031	0.61	4.47
3.84	17:53	0.75	8.90	0.15	7.87	26.46	5.48	251	0.031	0.82	4.62
3.84	17:58	0.75	9.65	0.15	8.02	26.57	5.42	255	0.030	0.71	4.41
3.68	18:03	0.65	10.30	0.13	8.11	26.56	5.43	255	0.030	0.26	4.72
3.68	18:08	0.65	10.95	0.13	8.19	26.57	5.41	258	0.030	0.51	4.66
3.68	18:13	0.65	11.60	0.13	8.25	26.45	5.48	255	0.030	0.45	4.69
3.68	18:18	0.65	12.25	0.13	8.29	26.40	5.45	257	0.030	0.55	4.64

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
17:38 Slow pump speed.
17:58 Slow pump speed.
18:18 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/18/17	SAMPLING INITIATED AT: 18:20
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.13	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 18:40
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-3I	2	1 L	AG	N/A	8270C – SIM	VT
GW-3I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-6S	SAMPLE ID: GW-6S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.83	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.26 feet – 4.83 feet) X 0.65 liters/foot ~ 6.8 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1630	PURGING ENDED AT: 1825	TOTAL VOLUME PURGED (liters): 14.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated				
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.5	1634	0.5	0.5	0.13	5.08	29.4	6.19	308	0.195	57.3	0.80
3.5	1644	1.3	1.8	0.13	5.56	27.5	6.30	21	0.198	35.2	3.82
3.5	1654	1.3	3.1	0.13	5.95	26.7	6.31	13	0.208	18.7	3.8
3.5	1704	1.3	4.4	0.13	6.31	25.0	6.31	6	0.226	11.5	0.46
3.5	1714	1.3	5.7	0.13	6.66	24.5	6.28	3	0.211	15.9	0.48
3.5	1724	1.3	7.0	0.13	6.98	24.5	6.24	3	0.199	17.1	0.48
3.5	1734	1.3	8.3	0.13	7.34	24.0	6.18	3	0.107	12.0	0.43
3.5	1739	0.65	8.95	0.13	7.51	23.9	6.15	4	0.183	10.4	0.44
3.5	1744	0.65	9.60	0.13	7.65	24.0	6.12	7	0.179	12.3	0.41
3.5	1749	0.65	10.25	0.13	7.78	24.1	6.09	9	0.174	11.3	0.46
3.5	1754	0.65	10.90	0.13	7.92	24.2	6.06	13	0.168	10.8	0.46
3.0	1759	0.50	11.40	0.10	8.00	24.2	6.04	16	0.168	11.0	0.47
3.0	1804	0.50	11.90	0.10	8.05	24.2	6.03	20	0.165	11.5	0.47
3.0	1809	0.50	12.40	0.10	8.08	24.3	6.01	24	0.159	11.5	0.47
3.0	1814	0.50	12.90	0.10	8.10	24.3	6.01	25	0.164	10.3	0.49
3.0	1819	0.50	13.40	0.10	8.12	24.3	5.99	26	0.166	10.6	0.49
3.0	1824	0.50	13.90	0.10	8.13	24.2	6.01	24	0.167	10.6	0.50

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [illegible]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 1830
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1919
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: (Y) N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
PUP-3/ GW-6S	24	1 L	AG	N/A	8270C – SIM	VT
DUP-3/ GW-6S	24	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-6I	SAMPLE ID: GW-6I	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 3.05	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (35.26 feet – 3.05 feet) X 0.65 liters/foot ~ 20.9 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1359	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):		

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	1402	0.6	0.6	0.2	3.68	31.3	5.04	374	0.119	25.7	11.67
4.0	1412	1.5	2.1	0.15	5.63	26.7	5.00	412	0.127	8.65	13.15
4.0	1422	1.5	3.6	0.15	7.14	26.3	5.00	418	0.127	5.86	13.01
4.0	1432	1.5	5.1	0.15	8.48	26.1	5.01	421	0.126	2.93	12.99
4.0	1442	1.5	6.6	0.15	9.52	25.7	5.00	424	0.125	2.13	12.74
4.0	1452	1.5	8.1	0.15	10.32	25.8	5.02	424	0.124	3.70	12.59
4.0	1457	0.75	8.85	0.15	10.80	25.9	5.02	425	0.124	2.94	12.20
4.0	1502	0.75	9.60	0.15	11.12	25.7	5.02	425	0.124	3.78	12.07
4.0	1507	0.75	10.35	0.15	11.44	25.5	5.02	426	0.125	2.81	11.92
4.0	1512	0.75	11.10	0.15	11.74	25.4	5.02	426	0.124	2.48	11.57
4.0	1517	0.75	11.85	0.15	11.94	25.3	5.03	425	0.123	2.35	11.16
4.0	1522	0.75	12.60	0.15	12.11	25.8	5.03	424	0.122	1.71	11.09
4.0	1527	0.75	13.35	0.15	12.30	25.6	5.03	424	0.121	1.44	11.05
4.0	1532	0.75	14.10	0.15	12.45	25.6	5.04	424	0.121	0.79	11.16
4.0	1537	0.75	14.85	0.15	12.49	25.9	5.04	424	0.121	1.85	11.10
4.0	1542	0.75	15.60	0.15	12.52	25.8	5.05	424	0.119	2.89	11.22
4.0	1547	0.75	16.35	0.15	12.54	25.7	5.06	424	0.117	2.71	11.58
4.0	1552	0.75	17.10	0.15	12.55	25.5	5.06	424	0.116	1.35	11.23
4.0	1557	0.75	17.85	0.15	12.55	25.3	5.07	424	0.116	1.31	11.25

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 1600
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1625
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-6I	2	1 L	AG	N/A	8270C – SIM	VT
GW-6I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-6D	SAMPLE ID: GW-6D	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 58 feet to 68 feet	STATIC DEPTH TO WATER (feet): 3.11	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (65.05 feet – 3.11 feet) X 0.65 liters/foot = 40.3 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (70 feet X 0.005 liters/foot) + 0.4 liters ~ 0.75 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1213	PURGING ENDED AT: 1324	TOTAL VOLUME PURGED (liters): 18.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
6.0	1215	0.75	0.75	0.25	3.61	25.7	5.49	278	0.034	11.9	5.12
6.0	1225	2.5	3.25	0.25	5.48	24.0	5.49	323	0.031	23.6	4.54
6.0	1235	2.5	5.75	0.25	6.13	23.9	5.49	338	0.031	38.9	4.46
6.0	1245	2.5	8.25	0.25	6.38	23.8	5.49	345	0.031	35.8	4.45
6.0	1250	1.25	9.50	0.25	6.45	24.0	5.48	349	0.031	29.3	4.42
6.0	1255	1.25	10.75	0.25	6.49	23.7	5.48	351	0.031	23.5	4.41
6.0	1300	1.25	12.00	0.25	6.52	23.6	5.48	353	0.031	21.3	4.41
6.0	1305	1.25	13.25	0.25	6.55	23.6	5.46	356	0.031	18.5	4.43
6.0	1310	1.25	14.50	0.25	6.57	23.8	5.48	357	0.031	15.3	4.43
6.0	1315	1.25	15.75	0.25	6.59	23.8	5.47	358	0.031	14.7	4.44
6.0	1320	1.25	17.00	0.25	6.59	23.8	5.47	359	0.031	14.3	4.44
6.0	1325	1.25	18.25	0.25	6.59	23.8	5.47	360	0.031	14.2	4.42

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; **⅜"** = 0.022 ; ½ " = 0.04 ; **⅝"** = 0.06 ; ¾ " = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES: 1202 – Pressure on plug. Allow H_2O level to stabilize

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/15	SAMPLING INITIATED AT: 1328
PUMP OR TUBING DEPTH IN WELL (feet): 60	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1349
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-6D	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533

WELL NO:	GW-11S	SAMPLE ID:	GW-11S	DATE:	9/20/17

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 3 feet to 1[illegible] feet	STATIC DEPTH TO WATER (feet): 7.33	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (11.77 feet – 7.33 feet) X 0.65 liters/foot = 2.89 liters 3x 8.67

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1518	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	5V5'0PLMU	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1530	1.50	1.50	0.10	8.05	35.36	5.45	189	0.334	43.3	0.01
	1535	0.50	2.00	0.10	8.35	34.70	5.29	208	0.347	24.7	0
	1540	0.50	2.50	0.10	8.50	34.46	5.36	204	0.350	18.0	0
	1545	0.50	3.00	0.10	8.62	34.32	5.27	209	0.358	15.2	0.31
	1550	0.50	3.50	0.10	8.74	34.40	5.30	206	0.361	13.6	0.27
	1555	0.50	4.00	0.10	8.93	34.27	5.42	197	0.361	11.7	0.16
	1600	0.50	4.50	0.10	9.10	34.21	5.40	186	0.362	10.3	0.12
	1605	0.50	5.00	0.10	9.33	33.66	5.41	156	0.357	12.7	0.11
	1610	0.50	5.50	0.10	9.45	33.21	4.97	200	0.352	10.1	0
	1615	0.50	6.00	0.10	9.58	33.08	4.94	188	0.350	33.1	0
	1620	0.75	6.75	0.15	9.82	32.91	4.92	119	0.340	25.8	0
	1625	0.75	7.50	0.15	~~10.00~~	32.76	4.97	83	0.351	24.6	0
	1630	0.75	8.25	0.15	10.20	32.66	5.02	71	0.365	50.6	0
	1635	0.75	9.00	0.15	10.55	31.24	5.08	42	0.372	30.1	0
	1640	0.75	9.75	0.15	10.80	30.88	5.11	29	0.383	30.0	0
	1645	0.75	10.50	0.15	11.00	30.87	5.11	30	0.382	24.0	0

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES: 3x volume purged. purge complete.
safety stop @ 1647 due to lightning in proximity.
will sample after all clear is given
well recharged to 7.53 @ 0750 9/21/17

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson/AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 0753
PUMP OR TUBING DEPTH IN WELL (feet): 11	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0815
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-11S	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-11I	SAMPLE ID: GW-11I	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 14 feet to 24 feet	STATIC DEPTH TO WATER (feet): 7.13	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (23.57 feet – 7.13 feet) X 0.65 liters/foot ~ 10.70 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1258	PURGING ENDED AT: 1315	TOTAL VOLUME PURGED (liters): 14.35
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SVSVPLMV	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1220	0.6	0.6	0.25	7.70	28.14	~~184~~	~~0.017~~ 16 (mV)	0.020	51.5	1.27
	1230	2.50	3.10	0.25	9.00	27.71	4.59	149	0.042	12.9	0.23
	1240	2.50	5.60	0.25	9.23	27.46	4.55	144	0.046	5.98	0
	1250	2.50	8.10	0.25	9.33	27.42	5.04	111	0.047	0	0
	1300	2.50	10.60	0.25	9.42	27.94	5.10	105	0.047	0.49	0
	1305	1.25	11.85	0.25	9.47	27.90	5.09	107	0.046	0.45	0
	1310	1.25	13.10	0.25	9.45	27.59	5.09	107	0.047	0	0
	1315	1.25	14.35	0.25	9.45	27.71	5.08	109	0.047	1.91	0

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- **Turbidity:** <10 NTU, or stable (±5%)
- **pH:** ± 0.1 SU
- **Specific Conductance:** ± 5%

Optional:
- **Dissolved Oxygen:** 0.2 mg/L or 10% of saturation (whichever is greater)
- **Oxygen Reduction Potential:** ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Charles Watson /AECOM	[signature]	9/20/17	1320
PUMP OR TUBING DEPTH IN WELL (feet): 18	SAMPLE PUMP FLOW RATE (L per minute): 0.25	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1345
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-11I	2	1 L	AG	N/A	8270C – SIM	VT
GW-11I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

23.72' → 23.62' well trimes down by 0.10' after sampling to replace well plug

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT Water St	SITE LOCATION: Douglas, GA		DATE: 9/20/17
WELL NO: GW-11D	SAMPLE ID: GW-11D	QC SAMPLE?	☐ YES ☐ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 57.3 feet to 68.25 feet	STATIC DEPTH TO WATER (feet): 55.79	PURGE PUMP TYPE OR BAILER: bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (67.3 feet – 55.79 feet) X 0.65 liters/foot = 7.48 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = ~~70~~ 0.1 L + (70 feet X 0.005 liters/foot) + 0.4 liters 0.85 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 65	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 67	PURGING INITIATED AT: 1011	PURGING ENDED AT: 1140	TOTAL VOLUME PURGED (liters): 8.85
WATER QUALITY INSTRUMENT(S): Horiba U-53		SERIAL NO(S): SV5VPLMV		

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	Zobell Solution (228 mV)	X Previously Calibrated		
Pre-calibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	10:20	0.85	0.85	0.10	56.16	26.40	5.33	95	0.032	347	3.93
	1030	1.00	1.85	0.10	58.35	25.04	5.31	165	0.031	327	2.86
	1040	1.00	2.85	0.10	60.15	25.19	5.32	180	0.031	203	3.15
	1050	1.00	3.85	0.10	61.52	25.50	5.35	188	0.024	195	3.95
	1100	1.00	4.85	0.10	62.33	25.90	5.37	193	0.021	248	4.34
	1110	1.00	5.85	0.10	63.00	26.37	5.38	202	0.020	375	4.54
	1120	1.00	6.85	0.10	64.00	26.71	5.40	205	0.021	584	4.34
	1130	1.00	7.85	0.10	64.65	27.15	5.41	209	0.021	700	4.21
	1140	1.00	8.85	0.10	67.00	27.71	5.50	212	0.022	729	3.00

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): 0.75" = 0.10; 1" = 0.20; 1.25" = 0.30; 2" = 0.65; 3" = 1.45; 4" = 2.50; 5" = 3.90; 6" = 5.60; 8" = 9.75; 10" = 15.40; 12" = 21.80
TUBING CAPACITY (L Per Ft): 1/16" = 0.001 ; 0.17" = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; 1" = 0.16

NOTES: Pump removed @ 1120
Dry @ 1140

Well trimmed down to in 5+911 New well plug New total DEPTH 68.06

CHEMICAL PARAMETER STABILIZATION CRITERIA[1] (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- Turbidity: <10 NTU, or stable (±10%)
- pH: ± 0.1 SU
- Specific Conductance: ± 5% (µS/cm)
- Dissolved Oxygen: 0.2 mg/L or ± 10% of saturation (whichever is greater)

Record Only:
- Temperature (°C)
- Oxygen Reduction Potential (mV)

[1] Region 4 US Environmental Protection Agency Science and Ecosystem Support Division Operating Procedure for Groundwater Sampling (SESDPROC-301-R3), Section 3.2.1.1.2.

SITE NAME: GDOT Walker St	SITE LOCATION: Douglas GA
WELL NO: GW-11D	

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
☐	CONTINUED ON ADDITIONAL SHEETS										

CHEMICAL PARAMETER STABILIZATION CRITERIA[2] (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- **Turbidity:** <10 NTU, or stable (±10%)
- **pH:** ± 0.1 SU
- **Specific Conductance:** ± 5% (µS/cm)
- **Dissolved Oxygen:** 0.2 mg/L or ± 10% of saturation (whichever is greater)

Record Only:
- **Temperature** (°C)
- **Oxygen Reduction Potential** (mV)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE:	SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	QC Sample Collected: Y N ☐ Duplicate ☐Equipment Blank ☐ Field Blank	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
	NO Sample					

REMARKS: insufficient recharge to sample

TOTAL DEPTH OF WELL AFTER SAMPLE COLLECTION

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **BP** = Bladder Pump **SM** = Straw Method (Tubing Gravity Drain); **RFPP** = Reverse Flow Peristaltic Pump; **VT** = Vacuum Trap; **O** = Other (Specify)

SOLUBILITY OF OXYGEN IN WATER (at normal atmospheric conditions)

Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L	Temperature °C	O2 Solubility mg/L
0	14.6	17	9.7	34	7.1
1	14.2	18	9.5	35	7.0
2	13.8	19	9.3	36	6.8
3	13.5	20	9.1	37	6.7
4	13.1	21	8.9	38	6.6
5	12.8	22	8.7	39	6.5
6	12.4	23	8.6	40	6.4
7	12.1	24	8.4	41	6.3
8	11.8	25	8.3	42	6.2
9	11.6	26	8.1	43	6.1
10	11.3	27	8.0	44	6.0
11	11.0	28	7.8	45	5.9
12	10.8	29	7.7	46	5.8
13	10.5	30	7.6	47	5.7
14	10.3	31	7.4	48	5.6
15	10.1	32	7.3	49	5.5
16	9.9	33	7.2	50	5.4

[2] Regioni 4 US Environmental Protection Agency Science and Ecosystem Support Division Operating Procedure for Groundwater Sampling (SESDPROC-301-R3), Section 3.2.1.1.2.

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-12S	SAMPLE ID: GW-12S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.62	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.31 feet – 1.62 feet) X 0.65 liters/foot = 8.89 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 807	PURGING ENDED AT: 910	TOTAL VOLUME PURGED (liters): 10
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	505 VPLMU	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	24.42 °C	4.04 SU	319 mV	4.62 mS/cm	— NTU	8.20 mg/L
Calibrated Readings:	— °C	4.00 SU	— mV	4.49 mS/cm	0 NTU	8.51 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	810	1.00	1.00	0.150	2.50	23.38	4.39	67	0.044	4.00	0.15
	815	0.75	1.75	0.150	3.31	23.23	4.42	55	0.037	1.59	0
	820	0.75	2.50	0.150	3.70	23.24	4.43	52	0.036	1.45	0
	825	0.75	3.25	0.15	4.25	23.36	4.42	53	0.032	1.24	0
	830	0.75	4.00	0.15	4.65	23.43	4.43	53	0.031	0.88	0
	835	0.75	4.75	0.15	4.95	23.46	4.41	54	0.031	2.17	0
	840	0.75	5.50	0.15	5.16	23.51	4.40	53	0.030	1.72	0
	845	0.75	6.25	0.15	5.36	23.53	4.35	55	0.030	2.46	0
	850	0.75	7.00	0.15	5.60	23.58	4.35	52	0.030	2.85	0
	855	0.75	7.75	0.15	5.74	23.59	4.37	50	0.030	2.71	0
	900	0.75	8.50	0.15	5.82	23.62	4.36	47	0.030	2.77	0
	905	0.75	9.25	0.15	5.80	23.68	4.36	46	0.030	3.07	0
	910	0.75	10.00	0.15	5.80	23.68	4.34	46	0.030	3.24	0

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson/AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 915
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 930
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-12S	2	1 L	AG	N/A	8270C – SIM	VT
GW-12S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-12I	SAMPLE ID: GW-12I	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.55	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (36.1 feet – 1.55 feet) X 0.65 liters/foot = 22.45 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1410	TOTAL VOLUME PURGED (liters): 31
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SV5VPLMU	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1135	11.00	11.00	0.20	13.57	25.85	5.63	220	0.022	59.6	2.74
	1150	1.00	12.00	0.20	14.25	27.98	4.73	236	0.022	55.3	2.12
	1155	0.50	12.50	0.10	14.65	27.61	4.58	254	0.022	55.0	2.13
	1200	1.50	14.00	0.30	15.18	26.41	4.44	266	0.022	54.5	2.38
	1210	3.00	17.00	0.30	17.15	25.40	4.41	277	0.021	49.1	2.88
	1215	1.50	18.50	0.30	18.10	25.36	4.38	252	0.021	120	2.97
	1220	1.50	20.00	0.30	19.23	25.84	4.39	241	0.021	118	3.16
	1225	0.50	20.50	0.10	—	26.53	4.47	239	0.021	92.5	3.11
	1230	0.50	21.00	0.10	19.06	28.28	4.45	246	0.021	103	3.00
	1235	0.50	21.50	0.10	18.95	28.90	4.47	245	0.021	98.5	2.98
	1240	0.50	22.00	0.10	18.92	29.17	4.45	247	0.021	96.6	2.92
	1250	1.00	23.00	0.10	18.90	29.82	4.45	252	0.021	95.2	2.82
	1300	1.00	24.00	0.10	18.92	29.05	4.39	262	0.021	88.1	2.74
	1310	1.00	25.00	0.10	18.94	29.75	4.42	263	0.021	86.5	2.59
	1320	1.00	26.00	0.10	18.98	29.37	4.41	266	0.021	81.8	2.60
	1330	1.00	27.00	0.10	18.96	29.63	4.41	266	0.021	80.2	2.58
	1340	1.00	28.00	0.10	19.10	29.98	4.40	269	0.021	72.6	2.57
	1350	1.00	29.00	0.10	19.08	29.98	4.39	274	0.021	70.5	2.49
	1400	1.00	30.00	0.10	19.10	30.22	4.42	273	0.021	68.1	2.46

☒ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES: 1140. Flow thru cell malfunction - loss of seal - leaking

1410 turbidity stable @ 5% all other conditions stable

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1410	1.00	31.00	0.10	19.10	30.13	4.44	273	0.021	76.5	2.50

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Charles Watson/AECOM	[signature]	9/19/17	1415
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1600
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N MS/MSD	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-12I	2	1 L	AG	N/A	8270C – SIM	VT
GW-12I-MS	2	1 L	AG	N/A	8270C – SIM	VT
GW-12I-MSD	2	1 L	AG	N/A	8270C – SIM	VT
GW-12I	2	40 mL	CG	HCl	BTEX / 8260	RFPP
GW-12I-MS	2	40 mL	CG	HCl	BTEX / 8260	RFPP
GW-12I-MSD	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-12D	SAMPLE ID: GW-12D	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 48 feet to 58 feet	STATIC DEPTH TO WATER (feet): 23.44	PURGE PUMP TYPE OR BAILER: Bladder Pump

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (59.55 feet – 23.44 feet) X 0.65 liters/foot ~ 23.47 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (60 feet X 0.005 liters/foot) + 0.4 liters ~ 0.7 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 54	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 923	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SV5VPLMU	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	✓ Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	940	1.00	1.00	0.1	24.00	23.04	5.51	108	0.162	153	4.15
	945	0.5	1.50	0.1		22.15	5.55	111	0.165	126	4.07
	950	0.5	2.00	0.1		22.36	5.72	113	0.163	78.0	2.61
	955	0.5	2.50	0.1		22.70	5.77	119	0.162	49.5	2.52
	1000	0.5	3.00	0.1		22.97	5.80	124	0.160	37.4	2.36
	1005	0.5	3.50	0.1	24.10	22.66	5.72	127	0.165	109	4.12
	1010	0.5	4.00	0.1	24.20	22.51	5.74	128	0.164	81.4	3.94
	1015	0.5	4.50	0.1	24.25	22.46	5.74	139	0.160	56.3	4.01
	1020	0.5	5.00	0.1	24.30	22.66	5.76	144	0.158	51.8	4.09
	1025	0.5	5.50	0.10	24.30	22.51	5.73	151	0.155	45.2	4.11
	1030	0.5	6.00	0.1	24.30	22.77	5.76	157	0.153	33.5	4.02
	1035	0.5	6.50	0.1	24.30	22.81	5.75	160	0.151	26.8	4.16
	1040	0.5	7.00	0.1	24.30	22.75	5.73	165	0.149	25.2	4.15
	1045	0.5	7.50	0.1	24.30	22.52	5.71	169	0.147	26.7	4.20
	1050	0.5	8.0	0.1	24.30	22.49	5.70	172	0.145	25.8	4.35
	1055	0.5	8.50	0.1	24.30	22.55	5.70	175	0.144	17.6	4.32
	1100	0.5	9.00	0.1	24.30	22.61	5.70	177	0.143	16.4	4.36
	1105	0.5	9.50	0.1	24.30	22.52	5.70	178	0.142	11.6	4.29
	1110	0.5	10.00	0.1	24.30	22.59	5.69	181	0.141	12.3	4.33

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; 1" = 0.16

NOTES: loss of power to controller @ 1000. reconnected + restarted.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1115	~~10~~ .50	10.50	0.1	24.30	22.61	5.68	185	0.140	13.3	4.21

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Waterst/AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/12/17	SAMPLING INITIATED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 54	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1145
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-12D	2	1 L	AG	N/A	8270C – SIM	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-13S	SAMPLE ID: GW-13S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 1.25 feet to 11.25 feet	STATIC DEPTH TO WATER (feet): 4.03	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (11.25 feet – 4.03 feet) X 0.65 liters/foot ~ 4.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1407	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (liters): 7.1
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):		

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min) 0.10	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.0	1412	0.5	0.5	~~4.19~~	~~4.19~~	29.5	6.41	-93	0.639	35.1	1.31
3.0	1422	1.0	1.5	0.10	4.30	27.6	6.52	-84	0.595	33.2	1.18
3.0	1427	0.5	2.0	0.10	4.33	27.5	6.52	-86	0.639	29.2	1.16
3.0	1432	0.5	2.5	0.10	4.33	27.6	6.51	-87	0.644	22.5	1.06
3.0	1437	0.5	3.0	0.10	4.35	27.5	6.51	-87	0.681	19.7	1.06
3.0	1442	0.5	3.5	0.10	4.35	27.5	6.51	-88	0.682	18.9	1.07
3.0	1447	0.5	4.0	0.10	4.36	27.7	6.50	-89	0.663	14.2	0.98
3.0	1452	0.5	4.5	0.10	4.38	27.6	6.50	-90	0.701	14.8	1.01
3.0	1457	0.5	5.0	0.10	4.38	27.7	6.50	-91	0.692	14.3	0.91
3.0	1502	0.5	5.5	0.10	4.39	27.7	6.50	-92	0.721	13.8	0.85
3.0	1507	0.5	6.0	0.10	4.38	27.6	6.50	-93	0.735	14.9	0.84
3.0	1512	0.5	6.5	0.10	4.39	27.6	6.50	-93	0.732	13.0	0.76
3.0	1517	0.5	7.0	0.10	4.39	27.5	6.50	-93	0.745	13.7	0.71

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.60; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

1430
1441

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 1520
PUMP OR TUBING DEPTH IN WELL (feet): 6'	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1541
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-13S	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-14S	SAMPLE ID: GW-14S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 2.59	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (12.88 feet – 2.59 feet) X 0.65 liters/foot = 6.69 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters = 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 11:30	PURGING ENDED AT: 12:18	TOTAL VOLUME PURGED (liters): 9.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.84	11:33	0.5	0.5	0.17	2.69	29.93	5.82	157	0.141	10.1	1.61
4.63	11:38	1.0	1.5	0.2	2.73	29.50	5.95	170	0.148	9.65	1.10
4.63	11:43	1.0	2.5	0.2	2.76	29.49	6.04	169	0.172	27.5	0.94
4.63	11:48	1.0	3.5	0.2	2.78	29.43	6.12	166	0.190	22.4	0.77
4.63	11:53	1.0	4.5	0.2	2.79	29.50	6.16	164	0.203	16.9	0.68
4.63	11:58	1.0	5.5	0.2	2.80	29.51	6.20	162	0.210	8.29	0.63
4.63	12:03	1.0	6.5	0.2	2.81	29.59	6.22	163	0.210	5.82	0.67
4.64	12:08	1.0	7.5	0.2	2.80	29.66	6.22	163	0.211	3.76	0.57
4.64	12:13	1.0	8.5	0.2	2.81	29.64	6.24	162	0.211	2.21	0.52
4.64	12:18	1.0	9.5	0.2	2.81	29.67	6.25	163	0.212	1.87	0.59

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

12:18 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 12:20
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 12:50
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-14S	2	1 L	AG	N/A	8270C – SIM	VT
GW-14S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-14I	SAMPLE ID: GW-14I	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 2.53	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (30.68 feet – 2.53 feet) X 0.65 liters/foot = 18.30 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.45 liters = 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 09:34	PURGING ENDED AT: 10:53	TOTAL VOLUME PURGED (liters): 11.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL, (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.82	09:38	0.5	0.5	0.13	3.11	27.67	6.14	103	0.073	12.9	2.35
4.07	09:43	0.75	1.25	0.15	3.95	27.35	5.72	185	0.063	12.1	1.70
4.07	09:48	0.75	2.0	0.15	4.51	27.26	5.66	205	0.059	13.7	1.63
4.07	09:53	0.75	2.75	0.15	4.92	27.23	5.66	214	0.058	12.1	1.78
4.06	09:58	0.75	3.50	0.15	5.26	27.21	5.64	219	0.058	11.8	1.68
4.06	10:03	0.75	4.25	0.15	5.50	27.25	5.66	222	0.058	12.4	1.70
4.06	10:08	0.75	5.0	0.15	5.67	27.28	5.65	225	0.058	11.4	1.68
4.06	10:13	0.75	5.75	0.15	5.83	27.34	5.65	231	0.057	9.31	1.67
3.90	10:18	0.75	6.50	0.15	5.91	27.46	5.63	233	0.058	8.65	1.59
3.90	10:23	0.75	7.25	0.15	5.98	27.48	5.62	237	0.059	7.99	1.52
3.89	10:28	0.75	8.0	0.15	6.04	27.50	5.58	244	0.059	8.29	1.44
3.60	10:33	0.70	8.7	0.14	6.02	27.63	5.57	242	0.061	7.61	1.36
3.60	10:38	0.70	9.4	0.14	6.00	27.73	5.51	249	0.059	7.80	1.34
3.60	10:43	0.70	10.1	0.14	5.98	27.63	5.55	248	0.059	8.14	1.19
3.60	10:48	0.70	10.8	0.14	5.97	27.56	5.54	249	0.059	8.00	1.24
3.60	10:53	0.70	11.5	0.14	5.96	27.53	5.56	251	0.058	8.18	1.17

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

10:28 slow pump speed.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 10:55
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.14	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 11:20
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-14I	2	1 L	AG	N/A	8270C – SIM	VT
GW-14I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-15S	SAMPLE ID: GW-15S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 2.02	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (10.04 feet – 2.02 feet) X 0.65 liters/foot ~ 5.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7'	PURGING INITIATED AT: 1055	PURGING ENDED AT: 1240	TOTAL VOLUME PURGED (liters): 10.6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SH JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~			X Previously Calibrated	
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.0	1059	0.5	0.5	~~2.9~~ 0.12	2.57	24.9	6.40	-75	0.766	17.8	1.57
3.0	1104	0.5	1.0	0.10	3.24	25.0	6.41	-86	0.767	16.1	2.52
3.0	1109	0.5	1.5	0.10	3.25	25.1	6.40	-88	0.757	14.4	5.97
3.0	1114	0.5	2.0	0.10	3.31	25.4	6.41	-89	0.749	16.1	5.19
3.0	1119	0.5	2.5	0.10	3.46	25.6	6.41	-91	0.756	36.8	2.48
3.0	1124	0.5	3.0	0.10	3.64	25.5	6.42	-90	0.762	26.6	0.62
3.0	1129	0.5	3.5	0.10	3.82	25.5	6.42	-92	0.767	27.1	0.62
3.0	1134	0.5	4.0	0.10	3.99	25.7	6.42	-93	0.768	27.0	0.60
3.0	1139	0.5	4.5	0.10	4.04	25.7	6.43	-92	0.765	17.8	0.60
3.0	1144	0.5	5.0	0.10	4.30	25.8	6.42	-91	0.756	11.1	0.59
3.0	1149	0.5	5.5	0.10	4.48	25.8	6.42	-90	0.743	10.1	0.58
3.0	1154	0.5	6.0	0.10	4.66	25.9	6.42	-89	0.727	13.1	0.60
3.0	1159	0.5	6.5	0.10	4.83	25.9	6.42	-88	0.724	9.87	0.65
3.0	1204	0.5	7.0	0.10	5.01	25.9	6.41	-87	0.706	10.4	0.68
3.0	1209	0.5	7.5	0.10	5.08	26.0	6.41	-86	0.715	15.2	0.71
3.0	1214	0.5	8.0	0.10	5.15	26.1	6.41	-86	0.702	14.3	0.70
3.0	1219	0.5	8.5	0.10	5.17	26.1	6.42	-89	0.714	11.2	0.70
3.0	1224	0.5	9.0	0.10	5.20	26.1	6.42	-88	0.708	13.5	0.68
3.0	1229	0.5	9.5	0.10	5.22	26.3	6.41	-87	0.698	9.70	0.69

☒ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

**Field-measured Total Depth differs significantly from Emcon SE boring log dated 01/31/1995 (~30% of total screened interval).

1115 - Clear air bubbles from flow-through cell.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.0	1234	0.5	10.0	0.10	5.25	26.2	6.41	-87	0.696	8.28	0.68
3.0	1239	0.5	10.5	0.10	5.27	26.5	6.41	-88	0.680	6.93	0.68

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 1242
PUMP OR TUBING DEPTH IN WELL (feet): 7'	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1303
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-15S	2	1 L	AG	N/A	8270C – SIM	VT
GW-15S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-15I	SAMPLE ID: GW-15I	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 2.18	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (29.43 feet – 2.18 feet) X 0.65 liters/foot ~ 17.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.40 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24'	PURGING INITIATED AT: 0800	PURGING ENDED AT: 1029	TOTAL VOLUME PURGED (liters): 22.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNWL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated												
Precalibration Readings:	24.1	°C	4.02	SU	438	mV	4.47	mS/cm	0.00	NTU	10.58	mg/L
Calibrated Readings:	24.1	°C	4.01	SU	434	mV	4.49	mS/cm	0.00	NTU	8.99	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	0803	0.6	0.6	0.2	2.68	22.4	5.96	418	0.043	178	4.12
4.0	0808	0.75	1.35	0.15	~~3.90~~	22.1	6.15	394	0.040	173	3.67
4.0	0813	0.75	2.10	0.15	3.90	22.0	6.14	395	0.041	165	3.38
4.0	0818	0.75	2.85	0.15	4.18	21.9	6.11	395	0.043	164	2.89
4.0	0823	0.75	3.60	0.15	4.49	21.8	5.95	396	0.046	161	1.99
4.0	0828	0.75	4.35	0.15	4.74	21.6	5.82	377	0.048	159	1.43
4.0	0833	0.75	5.10	0.15	4.97	21.7	5.78	332	0.049	144	1.10
4.0	0838	0.75	5.85	0.15	5.16	21.8	5.75	300	0.050	142	0.95
4.0	0843	0.75	6.60	0.15	5.33	21.8	5.73	268	0.051	125	0.82
4.0	0848	0.75	7.35	0.15	5.46	21.9	5.70	245	0.051	111	0.69
4.0	0853	0.75	8.10	0.15	5.57	21.8	5.68	231	0.052	98.4	0.57
4.0	0858	0.75	8.85	0.15	5.68	21.9	5.68	226	0.052	88.4	0.52
4.0	0903	0.75	9.60	0.15	5.78	21.9	5.67	225	0.052	78.8	0.52
4.0	0908	0.75	10.35	0.15	5.86	21.9	5.65	225	0.052	71.6	0.45
4.0	0913	0.75	11.10	0.15	5.97	21.8	5.63	228	0.051	60.4	0.40
4.0	0918	0.75	11.85	0.15	6.03	21.8	5.61	229	0.051	57.1	0.35
4.0	0923	0.75	12.60	0.15	6.08	21.8	5.60	230	0.051	53.0	0.30
4.0	0928	0.75	13.35	0.15	6.13	21.8	5.60	232	0.051	44.9	0.28
4.0	0933	0.75	14.10	0.15	6.18	21.8	5.59	233	0.051	41.5	0.27

☒ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼" = 0.01 ; ⅜" = 0.022 ; ½" = 0.04 ; ⅝" = 0.06 ; ¾" = 0.09 ; ⅞" = 0.12 ; 1" = 0.16

NOTES:
*Well vault damaged (sunk) plug crushed, Lid & ring loose. Trim down TOC to make room for plug and to better seat Lid/ring. *Needs new surface completion.

Ini. 2.18'
After 2.07'
ΔTOC - -0.09'

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	0938	0.75	14.85	0.15	6.22	21.8	5.57	235	0.051	36.5	0.21
4.0	0943	0.75	15.60	0.15	6.27	21.8	5.55	238	0.050	35.5	0.23
4.0	0948	0.75	16.35	0.15	6.29	21.7	5.55	239	0.050	32.9	0.23
4.0	0953	0.75	17.10	0.15	6.33	21.8	5.54	241	0.050	31.7	0.21
4.0	0958	0.75	17.85	0.15	6.36	21.9	5.53	242	0.049	28.0	0.22
4.0	1003	0.75	18.60	0.15	6.39	22.0	5.52	244	0.049	25.3	0.21
4.0	1008	0.75	19.35	0.15	6.40	22.2	5.51	245	0.049	22.3	0.17
4.0	1013	0.75	20.10	0.15	6.42	22.3	5.50	245	0.049	21.3	0.17
4.0	1018	0.75	20.85	0.15	6.41	22.2	5.50	246	0.049	24.3	0.24
4.0	1023	0.75	21.60	0.15	6.42	22.4	5.48	249	0.048	21.0	0.21
4.0	1028	0.75	22.35	0.15	6.42	22.6	5.48	249	0.048	17.9	0.19

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 1031
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1054
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-15I	2	1 L	AG	N/A	8270C – SIM	VT
GW-15I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-16I	SAMPLE ID: GW-16I	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 2.95	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (30.28 feet – 2.95 feet) X 0.65 liters/foot ~ 17.8 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 13:06	PURGING ENDED AT: 14:04	TOTAL VOLUME PURGED (liters): 11.73
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.01	13:09	0.6	0.6	0.2	3.55	28.73	5.29	115	0.068	2.07	1.62
5.14	13:14	1.125	1.725	0.225	4.29	27.05	5.33	153	0.048	0.00	0.87
4.96	13:19	1.0	2.73	0.2	4.58	27.07	5.33	167	0.045	0.68	0.80
4.96	13:24	1.0	3.73	0.2	4.69	27.07	5.38	175	0.044	0.27	0.77
4.96	13:29	1.0	4.73	0.2	4.77	27.01	5.22	186	0.043	0.00	0.70
4.96	13:34	1.0	5.73	0.2	4.81	27.06	5.27	198	0.043	0.00	0.60
4.96	13:39	1.0	6.73	0.2	4.84	26.50	5.31	203	0.042	0.63	0.58
4.96	13:44	1.0	7.73	0.2	4.86	26.32	5.16	222	0.041	0.17	0.48
4.96	13:49	1.0	8.73	0.2	4.88	26.31	5.21	222	0.041	0.54	0.31
4.96	13:54	1.0	9.73	0.2	4.88	26.13	5.30	218	0.040	1.03	0.24
4.96	13:59	1.0	10.73	0.2	4.88	25.97	5.26	224	0.040	0.29	0.23
4.96	14:04	1.0	11.73	0.2	4.88	25.84	5.27	231	0.040	0.31	0.22

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

14:04 Stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 14:05
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 14:20
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-16I	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-17I	SAMPLE ID: GW-17I	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 21 feet to 31 feet	STATIC DEPTH TO WATER (feet): 1.19	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (31.50 feet – 1.19 feet) X 0.65 liters/foot = 19.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26	PURGING INITIATED AT: 1022	PURGING ENDED AT: 1106	TOTAL VOLUME PURGED (liters): 6.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL, (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	1025	0.6	0.9	0.15	1.53	25.2	5.41	151	0.060	2.56	3.60
4.0	1030	0.75	1.35	0.15	1.88	25.0	5.05	228	0.058	0.81	3.63
4.0	1035	0.75	2.10	0.15	2.02	24.9	5.00	259	0.058	0.61	3.60
4.0	1040	0.75	2.85	0.15	2.09	24.9	4.96	280	0.057	0.52	3.67
4.0	1045	0.75	3.60	0.15	2.14	24.9	4.95	294	0.057	0.63	3.69
4.0	1050	0.75	4.35	0.15	2.16	24.8	4.95	306	0.057	0.50	3.68
4.0	1055	0.75	5.10	0.15	2.18	24.8	4.93	315	0.056	0.76	3.69
4.0	1100	0.75	5.85	0.15	2.19	24.9	4.94	322	0.057	0.59	3.70
4.0	1105	0.75	6.60	0.15	2.18	25.0	4.95	327	0.057	0.82	3.71

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼ "** = 0.01 ; **⅜"** = 0.022 ; **½ "** = 0.04 ; **⅝"** = 0.06 ; **¾ "** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 1108
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1130
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-17I	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-18S	SAMPLE ID: GW-18S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 3.5 feet to 13.5 feet	STATIC DEPTH TO WATER (feet): 5.83	PURGE PUMP TYPE OR BAILER: Proactive Aleus Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (13.70 feet – 5.83 feet) X 0.65 liters/foot ~ 5.12 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 11:30	PURGING ENDED AT: 12:59	TOTAL VOLUME PURGED (liters): 13.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.26	11:34	0.5	0.5	0.13	5.96	32.56	5.49	-99	0.813	5.22	1.08
3.27	11:39	0.75	1.25	0.15	6.10	32.53	5.81	-104	0.843	3.61	1.11
3.27	11:44	0.75	2.0	0.15	6.22	32.53	5.86	-103	0.817	3.36	1.11
3.27	11:49	0.75	2.75	0.15	6.35	32.77	5.90	-102	0.779	3.49	0.99
3.27	11:54	0.75	3.50	0.15	6.42	32.84	5.92	-102	0.751	3.13	0.99
3.27	11:59	0.75	4.25	0.15	6.51	32.85	5.92	-100	0.721	3.94	0.96
3.27	12:04	0.75	5.0	0.15	6.60	32.70	5.94	-99	0.699	4.91	1.01
3.27	12:09	0.75	5.75	0.15	6.63	32.53	5.94	-99	0.681	8.39	1.02
3.27	12:14	0.75	6.50	0.15	6.73	32.63	5.95	-100	0.666	10.6	0.99
3.27	12:19	0.75	7.25	0.15	6.76	32.83	5.95	-100	0.669	9.41	0.99
3.27	12:24	0.75	8.0	0.15	6.78	32.81	5.96	-102	0.664	9.02	0.99
3.27	12:29	0.75	8.75	0.15	6.82	32.89	5.96	-102	1.48	18.0	0.95
3.27	12:34	0.75	9.50	0.15	6.90	33.13	5.96	-103	1.47	15.4	1.02
3.03	12:39	0.7	10.2	0.14	6.94	33.26	5.96	-104	1.45	12.9	0.94
3.03	12:44	0.7	10.9	0.14	6.95	33.26	5.97	-104	1.43	10.5	1.03
3.03	12:49	0.7	11.6	0.14	6.95	33.28	5.98	-105	1.42	8.36	1.03
3.03	12:54	0.7	12.3	0.14	6.95	33.53	5.96	-105	1.42	9.13	1.00
3.03	12:59	0.7	13.0	0.14	6.95	33.59	5.96	-105	1.42	9.01	0.98

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

12:34 Slow pump speed.

12:59 All stable. End purge.

Purge water is brown with a light sheen. Appears similar to water in nearby creek/ditch.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClue /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 13:00
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.14	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 13:15
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-18S	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-18I	SAMPLE ID: GW-18I	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 4.69	PURGE PUMP TYPE OR BAILER: Proactive Alnis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (38.68 feet – 4.69 feet) X 0.65 liters/foot ~ 22.09 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (38 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 09:46	PURGING ENDED AT: 11:04	TOTAL VOLUME PURGED (liters): 11.85
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.09	09:49	0.6	0.6	0.2	5.03	28.56	5.91	78	0.037	13.7	4.08
4.09	09:54	0.75	1.35	0.15	5.48	28.94	5.77	142	0.035	12.9	4.00
4.09	09:59	0.75	2.10	0.15	5.70	29.04	5.73	161	0.032	9.40	3.87
4.09	10:04	0.75	2.85	0.15	5.82	29.21	5.68	174	0.032	9.15	3.66
4.09	10:09	0.75	3.60	0.15	5.88	29.20	5.70	181	0.031	8.68	3.66
4.09	10:14	0.75	4.35	0.15	5.91	29.28	5.70	186	0.032	9.32	3.75
4.09	10:19	0.75	5.10	0.15	5.95	29.33	5.70	192	0.032	10.30	3.49
4.08	10:24	0.75	5.85	0.15	5.97	29.39	5.66	198	0.031	11.3	3.58
4.08	10:29	0.75	6.60	0.15	5.98	29.42	5.68	199	0.031	12.1	3.56
4.07	10:34	0.75	7.35	0.15	5.99	29.45	5.66	204	0.031	12.8	3.45
4.05	10:39	0.75	8.10	0.15	6.00	29.49	5.62	207	0.031	13.3	3.50
4.05	10:44	0.75	8.85	0.15	6.01	29.47	5.66	208	0.031	11.3	3.41
4.05	10:49	0.75	9.60	0.15	6.01	29.65	5.65	211	0.031	10.6	3.36
4.04	10:54	0.75	10.35	0.15	6.01	29.62	5.65	213	0.031	9.31	3.48
4.04	10:59	0.75	11.10	0.15	6.01	29.83	5.64	215	0.031	8.63	3.43
4.04	11:04	0.75	11.85	0.15	6.01	29.83	5.65	215	0.031	9.01	3.40

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

11:04 All stable. End purge

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 11:05
PUMP OR TUBING DEPTH IN WELL (feet): 33	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 11:25
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-18I	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-20S	SAMPLE ID: GW-20S	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 2.32	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.31 feet – 2.32 feet) X 0.65 liters/foot ~ 7.8 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 16:59	PURGING ENDED AT: 18:12	TOTAL VOLUME PURGED (liters): 9.80
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G-910-SGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.27	17:02	0.5	0.5	0.17	2.88	28.22	5.66	-71	0.359	40.4	1.26
4.11	17:07	0.75	1.25	0.15	4.26	27.44	5.75	-82	0.369	29.8	0.00
4.11	17:12	0.75	2.0	0.15	~~4.69~~ 4.59	27.43	5.73	-79	0.368	25.1	0.00
4.11	17:17	0.75	2.75	0.15	4.66	27.49	5.74	-71	0.352	20.8	0.00
4.11	17:22	0.75	3.50	0.15	4.71	27.47	5.84	-68	0.354	27.9	0.19
4.11	17:27	0.75	4.25	0.15	4.81	27.42	5.94	-76	0.373	13.2	0.27
4.11	17:32	0.75	5.0	0.15	5.02	27.37	5.95	-79	0.385	5.23	0.31
4.11	17:37	0.75	5.75	0.15	5.27	27.35	5.94	-77	0.388	3.24	0.29
4.11	17:42	0.75	6.50	0.15	5.57	27.28	6.00	-80	0.387	0.00	0.28
3.04	17:47	0.6	7.10	0.12	5.77	27.35	6.01	-83	0.390	0.00	0.24
3.04	17:52	0.6	7.70	0.12	5.91	27.30	6.03	-84	0.393	0.00	0.21
3.04	17:57	0.6	8.30	0.12	6.06	27.29	6.04	-85	0.396	0.00	0.20
2.74	18:02	0.5	8.80	0.1	6.20	27.27	6.02	-84	0.400	0.00	0.23
2.74	18:07	0.5	9.30	0.1	6.31	27.24	6.02	-84	0.400	0.00	0.25
2.74	18:12	0.5	9.80	0.1	6.42	27.21	6.02	-84	0.401	0.00	0.26

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

17:42 Slow pump speed. 18:12 All stable except DTW. End purge.
17:57 Slow pump speed.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 18:15
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 18:35
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-20S	1	0.5 L	PE	HNO3	8 RCRA Metals	APP
GW-20S	2	1 L	AG	N/A	8270C – SIM	VT
GW-20S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-20I	SAMPLE ID: GW-20I	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 1.58	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (34.25 feet – 1.58 feet) X 0.65 liters/foot = 21.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 1718	PURGING ENDED AT: 1907	TOTAL VOLUME PURGED (liters): 16.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	543VCNDL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	1721	0.6	0.6	0.2	2.12	30.0	6.64	139	0.039	44.9	2.69
4.0	1731	1.5	2.1	0.15	3.97	25.1	5.74	197	0.045	34.4	0.73
4.0	1741	1.5	3.6	0.15	5.60	24.5	5.76	209	0.046	32.8	0.58
4.0	1751	1.5	5.1	0.15	6.65	24.3	5.76	220	0.046	12.5	0.66
4.0	1756	0.75	5.85	0.15	7.20	24.2	5.79	224	0.046	11.3	0.72
4.0	1801	0.75	6.60	0.15	7.71	24.1	5.79	230	0.046	23.0	0.75
4.0	1806	0.75	7.35	0.15	8.18	24.1	5.82	256	0.047	11.0	1.00
4.0	1811	0.75	8.10	0.15	8.63	23.8	5.80	245	0.046	8.41	0.93
4.0	1816	0.75	8.85	0.15	8.99	23.8	5.79	243	0.046	8.76	0.94
4.0	1821	0.75	9.60	0.15	9.34	23.7	5.80	241	0.046	16.3	0.98
4.0	1826	0.75	10.35	0.15	9.66	23.5	5.80	241	0.046	7.77	1.03
4.0	1831	0.75	11.10	0.15	9.96	23.5	5.78	241	0.046	8.26	1.06
4.0	1836	0.75	11.85	0.15	10.24	23.4	5.79	240	0.046	8.27	1.07
4.0	1841	0.75	12.60	0.15	10.52	23.3	5.78	238	0.045	8.56	1.13
4.0	1846	0.75	13.35	0.15	10.73	23.3	5.79	237	0.045	8.96	1.14
4.0	1851	0.75	14.10	0.15	10.93	23.2	5.77	237	0.045	8.27	1.14
4.0	1856	0.75	14.85	0.15	11.09	23.2	5.77	235	0.045	7.00	1.15
4.0	1901	0.75	15.60	0.15	11.12	23.2	5.77	232	0.044	6.09	1.15
4.0	1906	0.75	16.35	0.15	11.15	23.0	5.76	231	0.044	6.70	1.18

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

1804 - Flushed out flow cell.
1907 - All stable >20 min except H_2O level. Drew down 0.04' over 10 min. (8.5 L)
End Purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
						22.9					

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 1909
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1959
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: (Y) N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-20I	1	0.5 L	PE	HNO3	8 RCRA Metals	APP
GW-20I	2	1 L	AG	N/A	8270C – SIM	VT
GW-20I	2	40 mL	CG	HCl	BTEX / 8260	RFPP
DUP-2	2	1L	AG	—	8270C SIM	VT
DUP-2	2	40mL	CG	HCl	BTEX	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-24I	SAMPLE ID: GW-24I	DATE: 9/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 4.38	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (35.05 feet – 4.38 feet) X 0.65 liters/foot ~ 19.9 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 0918	PURGING ENDED AT: 1047	TOTAL VOLUME PURGED (liters): 17.8
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	S4JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.0	0921	0.6	0.6	0.2	5.03	22.2	5.85	109	0.180	13.5	3.27
5.0	0931	2.0	2.6	0.2	7.46	22.4	5.86	-27	0.147	10.0	0.47
5.0	0941	2.0	4.6	0.2	8.94	22.5	5.88	-30	0.139	11.7	0.30
5.0	0951	2.0	6.6	0.2	9.87	22.8	5.95	-42	0.137	18.0	0.27
5.0	1001	2.0	8.6	0.2	10.48	23.0	5.91	-31	0.143	18.9	0.32
5.0	1011	2.0	10.6	0.2	10.85	23.1	5.85	-19	0.147	15.3	0.33
5.0	1016	2.0	11.6	0.2	11.00	23.0	5.80	-12	0.150	14.7	0.36
5.0	1021	1.0	12.6	0.2	11.13	23.2	5.78	-7	0.151	13.4	0.43
5.0	1026	1.0	13.6	0.2	11.24	23.2	5.74	-2	0.152	12.8	0.43
5.0	1031	1.0	14.6	0.2	11.22	23.4	5.72	2	0.153	10.5	0.47
5.0	1036	1.0	15.6	0.2	11.21	23.4	5.71	6	0.154	9.71	0.52
5.0	1041	1.0	16.6	0.2	11.21	23.5	5.68	9	0.154	9.14	0.60
5.0	1046	1.0	17.6	0.2	11.21	23.5	5.67	12	0.155	8.10	0.69

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: B. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/22/07	SAMPLING INITIATED AT: 1049
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1115
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-24I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-24I	2	1 L	AG	N/A	8270C – SIM	VT
GW-24I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-23S	SAMPLE ID: GW-23S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 3.5 feet to 13.5 feet	STATIC DEPTH TO WATER (feet): 2.52	PURGE PUMP TYPE OR BAILER: Proactive Aluxis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (13.95 feet – 2.52 feet) X 0.65 liters/foot = 7.43 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters = 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 16:06	PURGING ENDED AT: 17:04	TOTAL VOLUME PURGED (liters): 9.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.18	16:09	0.5	0.5	0.17	2.84	33.12	5.93	-45	0.422	38.7	1.01
4.34	16:14	1.0	1.5	0.2	3.07	29.05	6.14	-43	0.433	41.5	0.90
4.34	16:19	1.0	2.5	0.2	3.33	28.82	6.15	-29	0.408	45.9	0.81
4.34	16:24	1.0	3.5	0.2	3.62	28.66	6.28	-59	0.450	72.4	0.78
4.34	16:29	1.0	4.5	0.2	3.88	28.57	6.35	-79	0.485	60.2	0.80
3.90	16:34	0.75	5.25	0.15	4.08	28.80	6.40	-79	0.496	46.8	0.78
3.90	16:39	0.75	6.0	0.15	4.25	28.68	6.44	-80	0.507	45.5	0.77
3.90	16:44	0.75	6.75	0.15	4.43	28.80	6.46	-81	0.514	28.1	0.77
3.90	16:49	0.75	7.50	0.15	4.48	29.00	6.49	-82	0516	17.4	0.78
3.90	16:54	0.75	8.25	0.15	4.49	28.74	6.50	-85	~~0.530~~ 0.520	11.3	0.80
3.89	16:59	0.75	9.0	0.15	4.49	28.64	6.51	-88	0.519	8.62	0.79
3.89	17:04	0.75	9.75	0.15	4.49	28.61	6.49	-84	0.521	8.03	0.79

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

17:04 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- **Turbidity:** <10 NTU, or stable (±5%)
- **pH:** ± 0.1 SU
- **Specific Conductance:** ± 5%

Optional:
- **Dissolved Oxygen:** 0.2 mg/L or 10% of saturation (whichever is greater)
- **Oxygen Reduction Potential:** ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 17:05
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 17:20
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-23S	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-23I	SAMPLE ID: GW-23I, GW-23I-MS, GW-23I-MSD	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 18 feet to 28 feet	STATIC DEPTH TO WATER (feet): 0.00	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (29.87 feet – 0.00 feet) X 0.65 liters/foot ~ 19.42 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 23	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 23	PURGING INITIATED AT: 14:01	PURGING ENDED AT: 14:59	TOTAL VOLUME PURGED (liters): 14.35
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G9103GHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.31	14:04	0.6	0.6	0.2	0.00	29.41	5.94	156	0.072	38.1	4.60
5.66	14:09	1.25	1.85	0.25	0.00	26.68	5.47	244	0.065	34.3	4.41
5.66	14:14	1.25	3.10	0.25	0.33	26.24	5.42	260	0.065	50.4	4.21
5.64	14:19	1.25	4.35	0.25	0.45	26.18	5.36	273	0.064	59.5	4.21
5.64	14:24	1.25	5.60	0.25	0.55	26.02	5.33	277	0.063	37.1	4.18
5.64	14:29	1.25	6.85	0.25	0.61	26.17	5.34	280	0.063	26.8	4.08
5.64	14:34	1.25	8.10	0.25	0.65	26.12	5.33	284	0.063	17.1	4.08
5.64	14:39	1.25	9.35	0.25	0.65	26.10	5.29	289	0.062	13.7	4.03
5.64	14:44	1.25	10.60	0.25	0.65	26.09	5.26	290	0.063	10.5	4.05
5.64	14:49	1.25	11.85	0.25	0.65	26.08	5.28	291	0.062	6.99	4.03
5.64	14:54	1.25	13.10	0.25	0.65	25.76	5.28	293	0.062	5.83	4.06
5.64	14:59	1.25	14.35	0.25	0.65	25.64	5.26	295	0.062	5.81	4.05

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
14:59 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 15:00
PUMP OR TUBING DEPTH IN WELL (feet): 23	SAMPLE PUMP FLOW RATE (L per minute): 0.25	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 15:55
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-23I	2	1 L	AG	N/A	8270C – SIM	VT
GW-23I MS	2	1 L	AG	N/A	8270C – SIM	VT
GW-23I MSD	2	1 L	AG	N/A	8270C – SIM	VT
GW-23I	2	40 mL	CG	HCl	BTEX / 8260	RFPP
GW-23I MS	2	40 mL	CG	HCl	BTEX / 8260	RFPP
GW-23I MSD	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-24S	SAMPLE ID: GW-24S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 3.89	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.87 feet – 3.89 feet) X 0.65 liters/foot = 7.14 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters = 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 16:07	PURGING ENDED AT: 17:30	TOTAL VOLUME PURGED (liters): 16.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910 SGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ✓ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.27	16:10	0.5	0.5	0.17	4.15	29.50	5.59	-125	0.623	12.8	0.99
4.90	16:15	1.0	1.5	0.2	4.38	28.08	5.83	-128	0.614	5.94	0.70
4.90	16:20	1.0	2.5	0.2	4.62	27.67	5.91	-121	0.612	2.29	0.78
4.90	16:25	1.0	3.5	0.2	4.78	27.63	5.94	-118	0.615	2.27	0.81
4.90	16:30	1.0	4.5	0.2	4.90	27.41	5.96	-117	0.619	2.04	0.76
4.90	16:35	1.0	5.5	0.2	5.02	27.29	5.98	-116	0.623	1.64	0.65
4.90	16:40	1.0	6.5	0.2	5.11	27.17	5.98	-116	0.611	1.51	0.68
4.90	16:45	1.0	7.5	0.2	5.19	27.04	6.01	-116	0.582	1.19	0.65
4.90	16:55	2.0	9.5	0.2	5.24	26.46	6.02	-110	0.508	0.98	0.51
4.90	17:05	2.0	11.5	0.2	5.28	25.86	6.01	-103	0.489	0.65	0.43
4.90	17:15	2.0	13.5	0.2	5.30	25.51	5.99	-96	0.479	0.47	0.41
4.90	17:20	1.0	14.5	0.2	5.31	25.53	6.00	-94	0.471	0.82	0.41
4.90	17:25	1.0	15.5	0.2	5.31	25.48	5.98	-91	0.469	0.46	0.45
4.90	17:30	1.0	16.5	0.2	5.31	25.43	6.00	-90	0.467	1.37	0.47

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
Small black flecks of unknown substance in purge water but does not appear to be affecting turbidity readings
17:30 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- Turbidity: <10 NTU, or stable (±5%)
- pH: ± 0.1 SU
- Specific Conductance: ± 5%

Optional:
- Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
- Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 17:35
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 17:50
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-24S	2	1 L	AG	N/A	8270C – SIM	VT
GW-24S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-25S	SAMPLE ID: GW-25S	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 3.05	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.24 feet – 3.05 feet) X 0.65 liters/foot ~ 7.27 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 07:51	PURGING ENDED AT: 09:34	TOTAL VOLUME PURGED (liters): 15.50
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910SGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ~~X~~ Previously Calibrated										
Precalibration Readings:	24.20	°C	4.11	SU	263	mV	5.17	mS/cm	3.42	NTU	7.92	mg/L
Calibrated Readings:	24.18	°C	4.00	SU	265	mV	4.49	mS/cm	0.00	NTU	8.31	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.11	07:54	0.5	0.5	0.17	3.21	24.09	5.50	3	0.258	33.7	1.15
3.82	07:59	0.75	1.25	0.15	3.37	24.43	5.40	-14	0.200	25.0	0.78
3.82	08:04	0.75	2.0	0.15	3.45	24.57	5.52	-25	0.200	19.7	0.79
3.82	08:09	0.75	2.75	0.15	3.55	24.65	5.53	-30	0.213	14.8	0.89
3.81	08:14	0.75	3.50	0.15	3.64	24.73	5.58	-31	0.231	8.95	0.85
3.81	08:19	0.75	4.25	0.15	3.73	24.76	5.58	-33	0.242	5.74	0.87
3.81	08:24	0.75	5.00	0.15	3.81	24.77	5.63	-34	0.252	4.35	0.79
3.81	08:29	0.75	5.75	0.15	3.90	24.78	5.63	-33	0.255	3.36	0.82
3.81	08:34	0.75	6.50	0.15	3.96	24.88	5.65	-33	0.258	3.27	0.94
3.81	08:39	0.75	7.25	0.15	4.02	24.93	5.64	-30	0.259	2.83	0.85
3.81	08:44	0.75	8.0	0.15	4.11	25.01	5.66	-28	0.261	2.56	0.84
3.81	08:49	0.75	8.75	0.15	4.19	25.02	5.67	-29	0.261	2.18	0.80
3.81	08:54	0.75	9.50	0.15	4.25	25.05	5.66	-28	0.262	2.08	0.82
3.81	08:59	0.75	10.25	0.15	4.31	25.05	5.67	-27	0.260	1.95	0.78
3.81	09:04	0.75	11.0	0.15	4.36	25.08	5.66	-25	0.258	1.88	0.80
3.81	09:09	0.75	11.75	0.15	4.39	25.09	5.68	-27	0.255	2.06	0.76
3.81	09:14	0.75	12.50	0.15	4.41	25.15	5.66	-23	0.254	1.60	0.84
3.81	09:19	0.75	13.25	0.15	4.42	25.18	5.67	-26	0.252	1.37	0.63
3.81	09:24	0.75	14.0	0.15	4.43	25.25	5.70	-27	0.250	1.51	0.56

☒ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

09:34 Stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.81	09:29	0.75	14.75	0.15	4.44	25.29	5.66	-26	0.249	0.94	0.63
3.81	09:34	0.75	15.50	0.15	4.45	25.34	5.68	-25	0.248	0.82	0.61

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: RM ~~9/20~~ 9/21/17	SAMPLING INITIATED AT: 09:35
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 09:50
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-25S	2	1 L	AG	N/A	8270C – SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-26I	SAMPLE ID: GW-26I / GW-26I-MS / GW-26I-MSD	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19 feet to 29 feet	STATIC DEPTH TO WATER (feet): 5.72	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (29.26 feet – 5.72 feet) X 0.65 liters/foot ~ 15.30 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24	PURGING INITIATED AT: 10:08	PURGING ENDED AT: 11:20	TOTAL VOLUME PURGED (liters): 14.6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910J6HL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.50	10:10	0.6	0.6	0.3	6.22	25.36	6.06	48	0.045	4.95	3.15
5.02	10:15	1.0	1.6	0.2	6.63	25.04	5.59	125	0.036	0.00	2.81
5.02	10:20	1.0	2.6	0.2	6.74	24.79	5.22	175	0.032	0.00	1.80
5.02	10:25	1.0	3.6	0.2	6.83	24.75	5.04	216	0.032	0.00	1.07
5.02	10:30	1.0	4.6	0.2	6.89	24.59	4.97	231	0.032	0.00	1.02
5.02	10:35	1.0	5.6	0.2	6.95	24.69	4.93	244	0.032	0.00	1.02
5.02	10:40	1.0	6.6	0.2	6.98	24.66	4.96	255	0.032	0.00	0.91
5.02	10:45	1.0	7.6	0.2	7.03	24.78	4.90	257	0.032	0.00	0.88
5.02	10:50	1.0	8.6	0.2	7.05	24.92	4.87	260	0.032	0.00	0.87
5.02	10:55	1.0	9.6	0.2	7.06	25.15	4.85	268	0.032	0.00	0.87
5.02	11:00	1.0	10.6	0.2	7.09	25.25	4.80	275	0.032	0.00	0.89
5.02	11:05	1.0	11.6	0.2	7.12	25.35	4.80	279	0.033	0.00	0.84
5.02	11:10	1.0	12.6	0.2	7.13	25.44	4.82	279	0.033	0.00	0.79
5.02	11:15	1.0	13.6	0.2	7.13	25.18	4.84	283	0.033	0.00	0.81
5.02	11:20	1.0	14.6	0.2	7.13	25.22	4.83	285	0.033	0.00	0.79

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

11:20 Stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 11:25
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 12:15
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-26I	2	1 L	AG	N/A	8270C – SIM	VT
GW-26I-MS	2	1L	AG	NA	8270C-SIM	VT
GW-26I-MSD	2	1L	AG	NA	8270C-SIM	VT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-27S	SAMPLE ID: GW-27S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 2.92	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.12 feet – 2.92 feet) X 0.65 liters/foot ~ 7.3 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 8	PURGING INITIATED AT: 20:12	PURGING ENDED AT: 21:15	TOTAL VOLUME PURGED (liters): 15.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):		

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.0	2014	0.5	0.5	0.25	3.33	22.4	6.27	77	0.273	47.1	0.64
5.0	2024	2.5	3.0	0.25	3.74	22.3	6.32	-23	0.261	6.88	0.18
5.0	2034	2.5	5.5	0.25	3.88	22.3	6.31	-30	0.270	2.66	0.14
5.0	2044	2.5	8.0	0.25	3.97	22.3	6.32	-33	0.268	1.86	0.11
5.0	2054	2.5	10.5	0.25	4.04	22.3	6.31	-34	0.268	1.32	0.11
5.0	2059	1.25	11.75	0.25	4.07	22.4	6.32	-34	0.270	1.85	0.10
5.0	2104	1.25	13.00	0.25	4.10	22.3	6.31	-33	0.269	1.23	0.11
5.0	2109	1.25	14.25	0.25	4.09	22.4	6.32	-34	0.268	1.88	0.11
5.0	2114	1.25	15.50	0.25	4.09	22.3	6.32	-33	0.268	1.15	0.11

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
- **Turbidity:** <10 NTU, or stable (±5%)
- **pH:** ± 0.1 SU
- **Specific Conductance:** ± 5%

Optional:
- **Dissolved Oxygen:** 0.2 mg/L or 10% of saturation (whichever is greater)
- **Oxygen Reduction Potential:** ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 2118
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 2140
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-27S	2	1 L	AG	N/A	8270C – SIM	VT
GW-27S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-27I	SAMPLE ID: GW-27I, ~~GW-27I-DUP, GW-27I-MSD~~	DATE: 9/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19.5 feet to 29.5 feet	STATIC DEPTH TO WATER (feet): 3.54	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (29.65 feet – 3.54 feet) X 0.65 liters/foot = 16.97 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 743	PURGING ENDED AT: 840	TOTAL VOLUME PURGED (liters): 11.60
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SVSVPLMV	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	see GW-31I SU	purge mV	log ~~for~~ mS/cm	calibration NTU		mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	745	0.60	0.60	0.20	4.26	22.02	4.65	182	0.256	9.77	12.61
	750	1.00	1.60	0.20	4.74	22.63	5.68	-32	0.263	8.80	0.20
	755	1.00	2.60	0.20	5.15	22.65	5.67	-48	0.312	0.53	0
	800	1.00	3.60	0.20	5.41	22.67	5.64	-73	0.397	0.00	0
	805	1.00	4.60	0.20	5.70	22.70	5.63	-86	0.428	0	0
	810	1.00	5.60	0.20	5.85	22.74	5.64	-101	0.452	0	0
	815	1.00	6.60	0.20	5.94	22.76	5.64	-112	0.467	0	0
	820	1.00	7.60	0.20	6.00	22.75	5.65	-120	0.475	0	0
	825	1.00	8.60	0.20	6.05	22.70	5.65	-121	0.478	0	0
	830	1.00	9.60	0.20	6.09	22.58	5.64	-121	0.479	0	0
	835	1.00	10.60	0.20	6.09	22.97	5.64	-120	0.482	0	0
	840	1.00	11.60	0.20	6.09	23.00	5.64	-121	0.484	0	0

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Wood/AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 0842
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.20	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0908
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-27I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-27I	2	1 L	AG	N/A	8270C – SIM	VT
~~GW-27I MS~~	~~2~~	~~1 L~~	~~AG~~	~~N/A~~	~~8270C – SIM~~	~~VT~~
~~GW-27I MSD~~	~~2~~	~~1 L~~	~~AG~~	~~N/A~~	~~8270C – SIM~~	~~VT~~
GW-27I	2	40 mL	CG	HCl	BTEX / 8260	RFPP
~~GW-27I MS~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~BTEX / 8260~~	~~RFPP~~
~~GW-27I MSD~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~BTEX / 8260~~	~~RFPP~~

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-28I	SAMPLE ID: GW-28I	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19 feet to 29 feet	STATIC DEPTH TO WATER (feet): 3.05	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (29.35 feet – 3.05 feet) X 0.65 liters/foot = 17.10 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1330	PURGING ENDED AT: 1650	TOTAL VOLUME PURGED (liters): 23
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SVSVPLMV	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1615	16.0	16.0	0.2	5.62	27.69	5.09	244	0.173	7.35	27.64
	1620	1.0	17.0	0.2	5.62	28.92	4.57	287	0.173	8.45	27.20
	1625	1.0	18.0	0.2	5.62	29.08	4.53	292	0.172	8.30	27.22
	1630	1.0	19.0	0.2	5.62	29.13	4.52	294	0.169	5.78	27.41
	1635	1.0	20.0	0.2	5.62	28.40	4.61	288	0.173	5.70	27.84
	1640	1.0	21.0	0.2	5.62	28.36	4.39	305	0.170	7.38	27.92
	1645	1.0	22.0	0.2	5.63	28.12	4.34	313	0.167	6.16	26.39
	1650	1.0	23.0	0.2	5.63	27.33	4.29	317	0.169	5.47	27.84

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Charles watson /AECOM	[signature]	9/21/17	1655
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT:
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-28I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-28I	2	1 L	AG	N/A	8270C – SIM	VT
GW-28I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-28D	SAMPLE ID: GW-28D	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 55 feet to 65 feet	STATIC DEPTH TO WATER (feet): 43.11	PURGE PUMP TYPE OR BAILER: Bladder

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (65.92 feet – 43.11 feet) X 0.65 liters/foot ~ 14.82 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (70 feet X 0.005 liters/foot) + 0.4 liters ~ 0.8 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60	PURGING INITIATED AT: 1375	PURGING ENDED AT: 1605	TOTAL VOLUME PURGED (liters): 23.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	S V5V PEMU	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
103/35	1340	1.0	1.0	0.15	43.60	32.32	5.80	100	0.078	325	3.53
	1350	1.5	2.5	0.15	44.00	30.01	6.17	119	0.092	229	6.27
	1400	1.5	4.0	0.15	44.21	29.27	6.22	122	0.086	187	5.71
	1410	1.5	5.5	0.15	44.48	29.36	6.18	127	0.079	137	5.13
	1420	1.5	7.0	0.15	44.57	29.64	6.16	133	0.072	99.6	4.74
	1430	1.5	8.5	0.15	44.73	29.06	6.16	145	0.067	86.1	4.55
	1440	1.5	10.00	0.15	45.11	27.76	5.98	159	0.061	115	4.20
	1450	1.5	11.5	0.15	45.80	27.53	5.94	166	0.057	78.4	4.09
	1500	1.5	13.0	0.15	45.76	28.06	5.94	170	0.052	41.0	3.87
	1510	1.5	14.5	0.15	45.71	28.46	5.87	173	0.050	33.9	3.76
	1520	1.5	17.0	0.15	45.64	29.86	5.91	171	0.048	19.5	3.58
	1530	1.5	18.5	0.15	45.53	30.10	5.93	173	0.046	23.0	3.50
	1540	1.5	20.0	0.15	45.54	30.46	5.92	175	0.045	20.6	3.45
	1545	0.75	20.75	0.15	45.55	30.66	5.91	177	0.044	19.5	3.42
	1550	0.75	21.50	0.15	45.55	30.70	5.93	176	0.044	17.2	3.38
	1555	0.75	22.25	0.15	45.56	30.85	5.92	177	0.043	18.7	3.37
	1600	0.75	23.00	0.15	45.56	30.78	5.88	179	0.043	17.4	3.37
	1605	0.75	23.75	0.15	45.56	30.62	5.91	181	0.042	19.0	3.39

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1610
PUMP OR TUBING DEPTH IN WELL (feet): 60	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1630
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-28D	2	1 L	AG	N/A	8270C – SIM	VT
GW-28D	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

*Needs to be re-developed.

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-29S	SAMPLE ID: GW-29S	DATE: 9/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 5.41	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.16 feet – 5.41 feet) X 0.65 liters/foot ~ 6.3 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 07:40	PURGING ENDED AT: 08:44	TOTAL VOLUME PURGED (liters): 17.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910SGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated										
Precalibration Readings:	24.47	°C	3.99	SU	265	mV	4.46	mS/cm	0.00	NTU	8.45	mg/L
Calibrated Readings:	24.23	°C	4.00	SU	263	mV	4.49	mS/cm	0.00	NTU	8.21	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.14	07:44	0.5	0.5	0.125	5.76	24.45	5.59	66	0.379	0.00*	0.98
3.27	07:49	0.75	1.25	0.15	6.19	24.77	5.50	29	0.289	0.00*	0.21
3.31	07:54	0.75	2.0	0.15	6.72	25.00	5.55	21	0.272	0.00*	0.07
3.31	07:59	0.75	2.75	0.15	6.98	24.96	5.57	16	0.264	0.00*	0.09
7.92	08:09	1.75	4.5	0.35	7.95	25.63	5.39	-23	0.237	0.00*	0.00
7.92	08:14	1.75	6.25	0.35	8.76	25.83	5.56	-36	0.261	0.00*	0.00
7.92	08:19	1.75	8.0	0.35	9.49	25.90	5.64	-65	0.249	0.00*	0.00
7.92	08:24	1.75	9.75	0.35	10.23	25.88	5.66	-71	0.246	0.00*	0.00
7.92	08:29	1.75	11.50	0.35	10.93	25.86	5.64	-77	0.255	0.00*	0.00
7.92	08:34	1.75	13.25	0.35	11.69	25.72	5.64	-85	0.286	0.00*	0.00
7.92	08:39	1.75	15.0	0.35	12.37	25.67	5.65	-91	0.288	0.00*	0.00
7.92	08:44	1.75	17.75	0.35	12.91	25.61	5.64	-99	0.291	0.00*	0.00

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
- Water very turbid. 0.00* flashing, indicates high turbidity (>1000)
- 08:02 Stop pump. Lower tubing to near bottom. Restart at higher speed at 08:04.
- Odor on purge water.
- 08:44 Dry. Due to silt at bottom, plugging tubing, cannot purge deeper. Allow for recharge & sample.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 09:15
PUMP OR TUBING DEPTH IN WELL (feet): ~13	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 09:40
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: _____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-29S	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-29S	2	1 L	AG	N/A	8270C – SIM	VT
GW-29S	2	40 mL	CG	HCl	BTEX / 8260	RFPP
GW-29S	1	0.5L	PE	HNO_3	Diss. Metals	PP - Filtered

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-29I	SAMPLE ID: GW-29I	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 2.32	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (34.64 feet – 2.32 feet) X 0.65 liters/foot = 21.01 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (35 feet X 0.005 liters/foot) + 0.4 liters = 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 14:39	PURGING ENDED AT: 16:26	TOTAL VOLUME PURGED (liters): 21.6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.07	14:41	0.6	0.6	0.3	2.79	30.40	5.55	10	0.072	85.0	1.09
4.93	14:46	1.0	1.6	0.2	3.24	26.60	5.65	-17	0.068	58.4	0.29
4.93	14:51	1.0	2.6	0.2	3.36	26.22	5.51	-3	0.065	34.8	0.24
4.93	14:56	1.0	3.6	0.2	3.41	26.16	5.45	5	0.064	22.6	0.22
4.93	~~14~~ 15:01	1.0	4.6	0.2	3.45	26.20	5.46	10	0.062	21.4	0.22
4.93	15:06	1.0	5.6	0.2	3.46	26.16	5.49	11	0.061	20.0	0.21
4.93	15:11	1.0	6.6	0.2	3.48	26.17	5.40	21	0.060	19.9	0.22
4.93	15:16	1.0	7.6	0.2	3.48	26.10	5.39	22	0.060	19.3	0.22
4.93	15:21	1.0	8.6	0.2	3.48	26.14	5.38	21	0.060	22.2	0.19
4.93	15:26	1.0	9.6	0.2	3.48	26.08	5.43	18	0.061	25.9	0.17
4.93	15:31	1.0	10.6	0.2	3.48	26.10	5.40	21	0.061	30.7	0.17
4.93	15:36	1.0	11.6	0.2	3.48	26.00	5.20	33	0.061	38.0	0.17
4.93	15:41	1.0	12.6	0.2	3.48	26.25	5.50	-21	0.064	44.9	0.05
4.93	15:46	1.0	13.6	0.2	3.51	26.15	5.47	1	0.062	41.9	0.00
4.93	15:51	1.0	14.6	0.2	3.53	26.17	5.44	11	0.061	65.5	0.01
4.93	15:56	1.0	15.6	0.2	3.55	26.35	5.69	-1	0.065	103	1.08
4.93	16:01	1.0	16.6	0.2	3.55	26.18	5.44	22	0.065	94.0	0.11
4.93	16:06	1.0	17.6	0.2	3.55	25.98	5.36	27	0.064	71.2	0.02
4.93	16:11	1.0	18.6	0.2	3.55	25.97	5.39	-6	0.065	36.7	0.00

☒ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

15:51 Drain flow cell to see if that will clear up turbidity

16:26 Stable (turbidity high). End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.93	16:16	1.0	19.6	0.2	3.55	25.88	5.36	5	0.065	25.1	0.00
4.93	16:21	1.0	20.6	0.2	3.55	25.91	5.33	30	0.064	26.4	0.00
4.93	16:26	1.0	21.6	0.2	3.55	25.94	5.34	41	0.063	24.3	0.00

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 16:30
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 16:45
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-29I	2	1 L	AG	N/A	8270C – SIM	VT
GW-29I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-30S	SAMPLE ID: GW-30S	DATE: 9/18/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 14.5 feet	STATIC DEPTH TO WATER (feet): 4.83	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.90 feet – 4.83 feet) X 0.65 liters/foot ~ 6.5 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 1724	PURGING ENDED AT: 1904	TOTAL VOLUME PURGED (liters): 10.00
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SV5VPLMLL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	25.5 °C	4.09 SU	288 mV	4.38 mS/cm	0.00 NTU	9.30 mg/L
Calibrated Readings:	25.5 °C	4.00 SU	295 mV	4.49 mS/cm	0.00 NTU	9.85 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1729	0.5	0.5	0.1	5.04	27.5	4.68	284	0.095	75.1	5.70
	1734	0.5	1.0	0.1	5.15	28.1	4.56	261	0.091	48.4	5.74
	1739	0.5	1.5	0.1	5.31	28.4	4.56	265	0.093	18.9	5.78
	1744	0.5	2.0	0.1	5.43	28.5	4.41	278	0.094	12.4	5.76
	1749	0.5	2.5	0.1	5.58	28.5	4.28	290	0.096	10.6	5.61
	1754	0.5	3.0	0.1	5.65	28.5	4.16	298	0.096	9.16	5.67
	1759	0.5	3.5	0.1	5.80	28.6	4.07	307	0.097	9.06	5.71
	1804	0.5	4.0	0.1	5.90	28.7	3.98	314	0.096	8.49	5.54
	1809	0.5	4.5	0.1	6.00	28.7	3.93	318	0.095	8.68	5.47
	1814	0.5	5.0	0.1	6.09	28.7	3.91	319	0.093	8.20	5.46
	1819	0.5	5.5	0.1	6.22	28.6	3.91	322	0.091	8.05	5.39
	1824	0.5	6.5	0.1	6.32	28.6	3.98	321	0.087	7.67	5.38
	1834	0.5	7.0	0.1	6.40	28.6	4.00	320	0.086	7.43	5.37
	1839	0.5	7.5	0.1	6.47	28.6	4.06	317	0.084	7.20	5.34
	1844	0.5	8.0	0.1	6.53	28.6	4.13	316	0.082	6.65	5.42
	1849	0.5	8.5	0.1	6.61	28.3	4.16	316	0.082	7.16	5.51
	1854	0.5	9.0	0.1	6.64	28.4	4.24	313	0.080	7.31	5.56
	1859	0.5	9.5	0.1	6.65	28.3	4.31	310	0.079	6.88	5.59
	1904	0.5	10.0	0.1	6.65	28.2	4.32	310	0.079		5.58

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Charles Watson /AECOM		9/18/17	1905
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1940
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-30S	2	1 L	AG	N/A	8270C – SIM	VT
GW-30S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-30I	SAMPLE ID: GW-30I / DUP-1	DATE: 9/18/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 2.60	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (34.40 feet – 2.60 feet) X 0.65 liters/foot ~ 20.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1655	PURGING ENDED AT: 1810	TOTAL VOLUME PURGED (liters): 7.7
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU), ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	26.9 °C	3.98 SU	421 mV	4.35 mS/cm	0.00 NTU	7.85 mg/L
Calibrated Readings:	27.3 °C	4.01 SU	421 mV	4.50 mS/cm	0.00 NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.0	1659	0.6	0.6	0.15	2.92	25.8	6.12	385	0.165	23.4	11.88
3.0	1704	0.5	1.1	0.10	3.00	25.7	6.07	403	0.142	21.5	13.29
3.0	1709	0.5	1.6	0.10	3.05	25.6	6.10	405	0.132	21.5	15.10
3.0	1714	0.5	2.1	0.10	3.07	25.5	6.11	409	0.129	17.3	15.17
3.0	1719	0.5	2.6	0.10	3.08	25.4	6.12	413	0.126	16.4	15.33
3.0	1724	0.5	3.1	0.10	3.10	25.2	6.14	416	0.125	15.4	16.70
3.0	1729	0.5	3.6	0.10	3.11	25.1	6.15	417	0.125	12.6	14.80
3.0	1734	0.5	4.1	0.10	3.11	25.2	6.18	419	0.124	12.3	14.47
3.0	1739	0.5	4.6	0.10	3.11	25.2	6.17	423	0.126	10.7	13.89
3.0	1744	0.5	5.1	0.10	3.13	25.0	6.16	424	0.126	9.80	13.61
3.0	1749	0.5	5.6	0.10	3.15	24.9	6.15	425	0.126	9.59	13.10
3.0	1754	0.5	6.1	0.10	3.13	25.0	6.14	428	0.126	9.63	13.38
3.0	1759	0.5	6.6	0.10	3.17	24.8	6.14	429	0.126	9.05	13.63
3.0	1804	0.5	7.1	0.10	3.15	24.9	6.13	431	0.126	9.50	13.66
3.0	1809	0.5	7.6	0.10	3.15	24.7	6.14	432	0.127	9.28	13.57

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/18/17	SAMPLING INITIATED AT: 1814
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1901
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: (Y) N DUP-1	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
DUP-1 GW-30I	2	0.5 L	PE	HNO3	8 RCRA Metals	PP
DUP-1 GW-30I	24	1 L	AG	N/A	8270C – SIM	VT
DUP-1 GW-30I	24	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-31S	SAMPLE ID: GW-31S	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 3.17	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.20 feet – 3.17 feet) X 0.65 liters/foot ~ 7.8 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 0819	PURGING ENDED AT: 1022	TOTAL VOLUME PURGED (liters): 18.50
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	S4JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated						
Precalibration Readings:	22.3 °C	4.01 SU	408 mV	4.43 mS/cm	0.00 NTU	7.85 mg/L	
Calibrated Readings:	22.0 °C	4.00 SU	411 mV	4.49 mS/cm	0.00 NTU	8.02 mg/L	

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	0822	0.5	0.5	0.15	3.70	23.0	5.55	272	0.145	355	1.84
4.0	0832	1.5	2.0	0.15	4.84	23.4	5.88	2	0.118	295	0.85
4.0	0842	1.5	3.5	0.15	5.45	23.8	5.89	-3	0.118	264	0.86
4.0	0852	1.5	5.0	0.15	5.84	23.9	5.86	4	0.119	300	1.22
4.0	0902	1.5	6.5	0.15	6.07	23.9	5.85	4	0.124	358	1.15
4.0	0912	1.5	8.0	0.15	6.19	24.1	5.85	1	0.128	394	1.04
4.0	0922	1.5	9.5	0.15	6.28	24.1	5.85	1	0.130	360	0.97
4.0	0927	0.75	10.25	0.15	6.32	24.2	5.83	2	0.132	341	0.94
4.0	0932	0.75	11.00	0.15	6.34	24.2	5.82	4	0.132	332	0.95
4.0	0937	0.75	11.75	0.15	6.37	24.3	5.81	5	0.133	318	0.98
4.0	0942	0.75	12.50	0.15	6.38	24.3	5.80	7	0.133	297	0.97
4.0	0947	0.75	13.25	0.15	6.38	24.3	5.79	8	0.133	275	0.99
4.0	0952	0.75	14.00	0.15	6.39	24.3	5.78	11	0.133	264	1.04
4.0	0957	0.75	14.75	0.15	6.40	24.4	5.77	15	0.132	249	1.16
4.0	1002	0.75	15.50	0.15	6.40	24.4	5.76	17	0.132	229	1.13
4.0	1007	0.75	16.25	0.15	6.41	24.5	5.75	19	0.131	209	1.15
4.0	1012	0.75	17.00	0.15	6.41	24.6	5.74	22	0.130	194	1.20
4.0	1017	0.75	17.75	0.15	6.41	24.7	5.72	25	0.130	178	1.26
4.0	1022	0.75	18.50	0.15	6.41	24.7	5.70	29	0.129	178	1.36

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
- Effluent very turbid (if. tan).
1022- All stable except turbidity >30 min. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard/AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1024
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1040
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-31S	2	1 L	AG	N/A	8270C – SIM	VT
GW-31S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-31I	SAMPLE ID: GW-31I	DATE: 7-22	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 2.18	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (35.30 feet – 2.18 feet) X 0.65 liters/foot ~ 21.53 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 9:17	PURGING ENDED AT: 11:35	TOTAL VOLUME PURGED (liters): 20.10
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SVSVPLMU	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated										
Precalibration Readings:	23.53	°C	3.99	SU	250	mV	4.49	mS/cm	—	NTU	8.16	mg/L
Calibrated Readings:		°C	4.00	SU	250	mV	4.49	mS/cm	0	NTU	8.60	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0920	0.60	0.60	0.20	2.73	25.30	5.79	-86	.260	0	0.60
	930	2.0	2.60	0.20	—	25.35	5.73	-129	0.252	0	0
	940	2.0	4.60	0.20	—	25.39	5.76	-156	0.237	0	0
	950	2.0	6.60	0.20	7.43	25.47	5.69	-163	0.230	0	0
	1000	2.0	8.60	0.20	8.00	25.27	5.40	-155	0.225	0	0
	1010	2.0	10.60	0.20	8.99	25.43	5.65	-175	0.219	3.85	0
	1020	2.0	12.60	0.20	9.50	25.47	5.68	-181	0.217	1.04	0
	1030	1.0	13.60	0.10	9.64	26.21	5.68	-177	0.212	0.99	0
	1040	1.0	14.66	0.10	9.75	26.56	5.73	-180	0.203	0.79	0
	1050	1.0	15.66	0.10	9.85	27.11	5.75	-179	0.201	1.51	0
	1100	1.0	16.66	0.10	9.94	27.46	5.78	-185	0.190	3.02	0
	1110	1.0	17.60	0.10	10.00	27.95	5.76	-180	0.181	0	0
	1120	1.0	18.60	0.10	10.04	28.24	5.77	-183	0.181	0	0
	1125	0.5	19.10	0.10	10.04	28.43	5.73	-182	0.178	0	0
	1130	0.5	19.60	0.10	10.04	28.47	5.76	-185	0.182	0	0
	1135	0.5	20.10	0.10	10.04	28.68	5.74	-182	0.179	0	0

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson/AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 1140
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1215
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-31I	2	1 L	AG	N/A	8270C – SIM	VT
GW-31I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-32I	SAMPLE ID: GW-32I	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 3.68	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (35.08 feet – feet) X 0.65 liters/foot ~ 20.46 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 0846	PURGING ENDED AT: 1030	TOTAL VOLUME PURGED (liters): 10.6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	~~SSV SVSVPLM~~ SVSVPLM	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	23.56 °C	4.23 SU	253 mV	4.38 mS/cm	~~0~~ NTU	794 mg/L
Calibrated Readings:	23.65 °C	4.00 SU	267 mV	4.59 mS/cm	0 NTU	8.65 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0850	0.60	0.60	0.20	4.40	23.35	4.24	272	0.350	23.0	0.77
	0900	1.00	1.60	0.20	6.12	24.19	4.23	203	0.308	5.68	1.30
	910	1.00	2.60	0.20	7.20	24.22	4.17	198	0.324	0	3.22
	920	1.00	3.60	0.20	7.82	24.46	4.18	188	0.354	0	5.10
	930	1.00	4.60	0.20	8.60	24.62	4.23	184	0.387	0	6.64
	940	1.00	5.60	0.20	9.23	24.59	4.27	179	0.427	2.70	8.03
	950	1.00	6.60	0.20	9.60	24.66	4.24	188	0.446	4.72	8.73
	1000	1.00	7.60	0.20	9.78	24.78	4.33	182	0.463	2.86	9.18
	1010	1.00	8.60	0.20	9.82	25.30	4.35	170	0.491	4.20	9.91
	1020	1.00	9.60	0.20	9.83	25.44	4.37	170	0.498	6.28	9.70
	1030	1.00	10.60	0.20	9.84	25.44	4.39	169	0.505	7.06	10.07

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson/AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1030
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.20	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1050
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-32I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-32I	2	1 L	AG	N/A	8270C – SIM	VT
GW-32I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-33I	SAMPLE ID: GW-33I	DATE: 9/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 3.37	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (35.30 feet – 3.37 feet) X 0.65 liters/foot ~ 20.8 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0753	PURGING ENDED AT: 0842	TOTAL VOLUME PURGED (liters): 9.8
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	23.0 °C	4.02 SU	385 mV	4.52 mS/cm	1.07 NTU	7.87 mg/L
Calibrated Readings:	22.0 °C	4.00 SU	377 mV	4.50 mS/cm	0.00 NTU	9.77 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.0	0756	0.6	0.6	0.2	3.85	21.3	5.21	274	0.207	55.4	3.38
5.0	0806	2.0	2.6	0.2	4.29	20.9	5.76	56	0.128	45.9	10.34
5.0	0816	2.0	4.6	0.2	4.33	20.9	5.37	156	0.094	18.9	18.18
5.0	0826	2.0	6.6	0.2	4.34	20.9	5.32	237	0.089	15.8	20.26
5.0	0831	1.0	7.6	0.2	4.34	21.0	5.30	273	0.088	7.66	21.36
5.0	0836	1.0	8.6	0.2	4.34	21.0	5.29	298	0.089	8.45	21.70
5.0	0841	1.0	9.6	0.2	4.34	21.0	5.29	316	0.089	9.16	21.65

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 0845
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0908
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-33I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-33I	2	1 L	AG	N/A	8270C – SIM	VT
GW-33I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-41S	SAMPLE ID: GW-41S	DATE: 9/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 3.67	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.50 feet – 3.67 feet) X 0.65 liters/foot ~ 7.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 09:51	PURGING ENDED AT: 10:48	TOTAL VOLUME PURGED (liters): 8.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G9103G-HL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.94	09:53	0.5	0.5	0.25	3.90	28.31	5.41	86	0.085	57.7	0.96
3.74	09:58	0.75	1.25	0.15	3.95	27.47	5.30	109	0.087	62.8	0.11
3.74	10:03	0.75	2.0	0.15	3.98	27.64	5.20	125	0.077	60.6	0.00
3.74	10:08	0.75	2.75	0.15	3.99	27.63	5.17	130	0.074	49.4	0.00
3.74	10:13	0.75	3.50	0.15	4.01	27.75	5.17	132	0.074	45.2	0.00
3.74	10:18	0.75	4.25	0.15	4.04	27.60	5.11	139	0.074	37.1	0.00
3.74	10:23	0.75	5.0	0.15	4.05	27.75	5.11	144	0.074	33.4	0.00
3.74	10:28	0.75	5.75	0.15	4.05	27.73	5.11	142	0.062	27.6	0.00
3.74	10:33	0.75	6.50	0.15	4.05	27.81	5.10	144	0.065	15.3	0.00
3.74	10:38	0.75	7.25	0.15	4.05	27.85	5.07	146	0.063	11.2	0.00
3.74	10:43	0.75	8.0	0.15	4.05	27.82	5.01	151	0.062	8.11	0.00
3.74	10:48	0.75	8.75	0.15	4.05	27.80	5.02	153	0.059	7.36	0.00

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
10:48 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 10:50
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 11:10
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-41S	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-41S	2	1 L	AG	N/A	8270C – SIM	VT
GW-41S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-42I	SAMPLE ID: GW-42I	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 1.67	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (30.50 feet – 1.67 feet) X 0.65 liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1730	PURGING ENDED AT: 1855	TOTAL VOLUME PURGED (liters): 22.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	SVSVPLMV	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1745	1.00	1.00	0.30	2.00	31.43	4.89	159	0.040	24.0	1.46
	1755	3.00	4.00	0.30	2.25	29.28	4.72	171	0.037	22.3	3.01
	1805	3.00	7.00	0.30	2.30	28.16	4.67	178	0.036	13.7	3.46
	1815	3.00	10.00	0.30	2.37	25.60	4.65	130	0.037	14.1	3.77
	1825	3.00	13.00	0.30	2.40	25.21	4.66	120	0.037	12.1	3.89
	1835	3.00	16.00	0.30	2.43	25.13	4.65	97	0.035	10.1	4.10
	1840	1.50	17.50	0.30	2.45	25.26	4.63	102	0.034	8.08	4.14
	1845	1.50	19.00	0.30	2.46	25.50	4.66	95	0.035	8.08	4.06
	1850	1.50	20.50	0.30	2.46	25.70	4.65	93	0.036	6.80	4.04
	1855	1.50	22.00	0.30	2.46	25.65	4.64	76	0.035	7.70	3.87

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Charles Watson /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 1900
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.30	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1940
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-42I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-42I	2	1 L	AG	N/A	8270C – SIM	VT
GW-42I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-43I	SAMPLE ID: GW-43I	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 2.72	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (30.80 feet – 2.72 feet) X 0.65 liters/foot ~ 18.25 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 14:06	PURGING ENDED AT: 15:23	TOTAL VOLUME PURGED (liters): 15.6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910SGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ X Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.50	14:08	0.6	0.6	0.3	3.06	34.56	5.27	146	0.245	9.01	1.54
4.63	14:13	1.0	1.6	0.2	3.65	28.72	4.85	189	0.210	5.81	0.90
4.63	14:18	1.0	2.6	0.2	3.88	28.43	5.00	177	0.202	2.97	0.77
4.63	14:23	1.0	3.6	0.2	4.05	28.17	5.01	169	0.201	1.99	0.73
4.64	14:28	1.0	4.6	0.2	4.16	27.86	5.04	163	0.196	0.78	0.74
4.64	14:33	1.0	5.6	0.2	4.21	27.89	5.00	162	0.194	0.92	0.78
4.64	14:38	1.0	6.6	0.2	4.25	27.39	4.95	171	0.193	0.60	0.83
4.64	14:43	1.0	7.6	0.2	4.27	27.32	4.97	168	0.192	0.13	0.82
4.64	14:48	1.0	8.6	0.2	4.30	27.65	4.98	161	0.189	0.00	0.88
4.64	14:53	1.0	9.6	0.2	4.33	27.26	4.99	160	0.187	0.00	0.89
4.64	14:58	1.0	10.6	0.2	4.34	27.08	4.99	161	0.186	0.00	0.87
4.64	15:03	1.0	11.6	0.2	4.35	27.03	4.93	165	0.186	0.00	0.90
4.64	15:08	1.0	12.6	0.2	4.36	26.80	4.94	170	0.185	0.00	0.92
4.64	15:13	1.0	13.6	0.2	4.36	26.69	4.98	170	0.183	0.00	0.87
4.64	15:18	1.0	14.6	0.2	4.36	26.71	4.97	170	0.181	0.00	0.97
4.64	15:23	1.0	15.6	0.2	4.36	26.73	4.97	170	0.180	0.00	0.96

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

15:23 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 15:25
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 15:40
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-43I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-43I	2	1 L	AG	N/A	8270C – SIM	VT
GW-43I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-44I	SAMPLE ID: GW-44I	DATE: 8/22/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 4.21	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (30.66 feet – 4.21 feet) X 0.65 liters/foot ~ 17.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (30 feet X 0.005 liters/foot) + 0.4 liters ~ 0.6 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1170	PURGING ENDED AT: 1233	TOTAL VOLUME PURGED (liters): 12.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☒ Previously Calibrated					
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
5.0	1122	0.6	0.6	0.24	4.80	26.2	5.20	96	0.432	32.4	2.93
5.0	1132	2.0	2.6	0.2	7.55	24.0	5.16	93	0.440	32.3	0.61
5.0	1142	2.0	4.6	0.2	9.72	24.0	5.18	88	0.439	14.4	1.05
5.0	1152	2.0	6.6	0.2	11.24	24.2	5.18	85	0.440	10.6	0.95
5.0	1202	2.0	8.6	0.2	12.45	24.2	5.18	83	0.440	7.91	0.95
4.0	1207	0.75	9.35	0.15	12.68	24.8	5.18	81	0.440	6.82	1.17
4.0	1212	0.75	10.10	0.15	12.82	25.0	5.18	80	0.440	5.67	1.19
4.0	1217	0.75	10.85	0.15	12.85	25.2	5.18	79	0.441	5.21	0.83
3.0	1222	0.50	11.35	0.10	12.68	25.9	5.16	78	0.439	3.00	0.65
3.0	1227	0.50	11.85	0.10	12.52	26.2	5.16	78	0.439	2.85	0.58
3.0	1232	0.50	12.35	0.10	12.38	26.2	5.16	77	0.439	2.25	0.53

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ±0.1 SU
Specific Conductance: ±5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [illegible]	DATE SAMPLED: 9/22/17	SAMPLING INITIATED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1259
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-44I	1	0.5 L	PE	HNO3	8 RCRA Metals	PP
GW-44I	2	1 L	AG	N/A	8270C – SIM	VT
GW-44I	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-45S	SAMPLE ID: GW-45S	DATE: 9/19/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.68	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.00 feet – 1.68 feet) X 0.65 liters/foot ~ 8.66 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 07:44	PURGING ENDED AT: 08:49	TOTAL VOLUME PURGED (liters): 11.95
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G9105GHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated											
Precalibration Readings:	26.21	°C	4.44	SU	290	mV	4.67	mS/cm	0.00	NTU	11.24	mg/L
Calibrated Readings:	26.15	°C	4.00	SU	292	mV	4.49	mS/cm	0.00	NTU	7.97	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.41	07:49	0.5	0.5	0.1	1.81	25.36	5.76	-95	0.448	10.9	1.65
3.82	07:54	0.7	1.2	0.14	1.85	25.43	5.91	-95	0.402	9.80	0.57
4.38	07:59	0.75	1.95	0.15	1.90	25.63	5.95	-91	0.395	9.18	0.65
5.40	08:04	1.0	2.95	0.2	1.98	25.96	5.98	-90	0.392	8.76	0.59
5.39	08:09	1.0	3.95	0.2	2.02	26.09	6.01	-83	0.407	7.44	0.60
5.39	08:14	1.0	4.95	0.2	2.02	26.10	6.06	-75	0.446	6.34	0.41
5.39	08:19	1.0	5.95	0.2	2.03	26.18	6.09	-69	0.477	5.38	0.41
5.38	08:24	1.0	6.95	0.2	2.03	26.26	6.12	-62	0.508	4.68	0.43
5.37	08:29	1.0	7.95	0.2	2.04	26.34	6.14	-57	0.523	4.19	0.46
5.37	08:34	1.0	8.95	0.2	2.05	26.41	6.15	-56	0.528	4.11	0.40
5.37	08:39	1.0	9.95	0.2	2.05	26.45	6.17	-55	0.542	4.13	0.40
5.36	08:44	1.0	10.95	0.2	2.05	26.47	6.17	-53	0.544	4.06	0.44
5.36	08:49	1.0	11.95	0.2	2.05	26.51	6.18	-53	0.548	3.70	0.40

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:
08:49 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/19/17	SAMPLING INITIATED AT: 08:50
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 09:18
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-45S	2	1 L	AG	N/A	8270C – SIM	VT
GW-45S	2	40 mL	CG	HCl	~~BTEX/~~ 8260 VOCs	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-46S	SAMPLE ID: GW-46S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.13	PURGE PUMP TYPE OR BAILER: Proactive Alexis Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.07 feet – 1.13 feet) X 0.65 liters/foot ~ 9.06 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 07:41	PURGING ENDED AT: 08:45	TOTAL VOLUME PURGED (liters): 11.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G910JGHL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated											
Precalibration Readings:	28.61	°C	4.28	SU	284	mV	4.74	mS/cm	1.37	NTU	7.67	mg/L
Calibrated Readings:	28.57	°C	4.00	SU	285	mV	4.49	mS/cm	0.00	NTU	7.39	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.88	07:45	0.5	0.5	0.13	1.50	26.84	5.43	20	0.302	21.6	0.94
4.84	07:50	1.0	1.5	0.2	1.98	26.80	5.38	4	0.246	21.8	0.89
4.84	07:55	1.0	2.5	0.2	2.40	26.82	5.43	11	0.236	22.0	0.82
4.16	08:00	0.85	3.35	0.17	2.62	26.76	5.48	11	0.235	20.2	0.81
4.16	08:05	0.85	4.20	0.17	2.77	26.75	5.44	12	0.240	19.7	0.79
4.16	08:10	0.85	5.05	0.17	2.90	26.74	5.49	10	0.244	19.3	0.75
4.16	08:15	0.85	5.90	0.17	3.05	26.69	5.51	12	0.246	19.9	0.75
4.16	08:20	0.85	6.75	0.17	3.14	26.64	5.52	10	0.247	20.3	0.74
4.16	08:25	0.85	7.60	0.17	3.27	26.66	5.55	9	0.248	21.5	0.72
4.16	08:30	0.85	8.45	0.17	3.33	26.64	5.53	10	0.247	21.6	0.71
4.16	08:35	0.85	9.30	0.17	3.35	26.61	5.53	11	0.245	22.8	0.69
4.16	08:40	0.85	10.15	0.17	3.35	26.59	5.53	10	0.246	21.7	0.69
4.16	08:45	0.85	11.0	0.17	3.36	26.58	5.52	10	0.245	22.1	0.68

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

08:45 All stable. End purge.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Ryan McClure /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT: 08:50
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.17	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 09:10
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-46S	2	1 L	AG	N/A	8270C – SIM	VT
GW-46S	2	40 mL	CG	HCl	VOCs ~~BTEX~~ 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: GW-47S	SAMPLE ID: GW-47S	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 2.60	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (15.21 feet – 2.60 feet) X 0.65 liters/foot ~ 8.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0839	PURGING ENDED AT: 0933	TOTAL VOLUME PURGED (liters): 8.15
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	S4JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	25.0 °C	4.01 SU	421 mV	4.09 mS/cm	3.11 NTU	7.51 mg/L
Calibrated Readings:	24.9 °C	4.01 SU	423 mV	4.49 mS/cm	0.00 NTU	8.85 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	0842	0.5	0.5	0.15	2.96	24.0	6.04	20	0.597	18.7	2.31
4.0	0852	1.5	2.0	0.15	3.23	24.7	6.14	-57	0.578	12.1	0.84
4.0	0857	0.75	2.75	0.15	3.31	25.0	6.23	-68	0.660	6.50	0.75
4.0	0902	0.75	3.50	0.15	3.32	25.2	6.30	-74	0.721	4.62	0.72
4.0	0907	0.75	4.25	0.15	3.33	25.3	6.33	-73	0.737	4.02	0.73
4.0	0912	0.75	5.00	0.15	3.34	25.3	6.35	-73	0.754	2.63	0.70
4.0	0917	0.75	5.75	0.15	3.34	25.4	6.37	-74	0.767	2.02	0.63
4.0	0922	0.75	6.50	0.15	3.33	25.5	6.39	-74	0.776	0.83	0.59
4.0	0927	0.75	7.25	0.15	3.33	25.5	6.40	-75	0.786	0.82	0.58
4.0	0932	0.75	8.00	0.15	3.33	25.6	6.41	-74	0.790	0.76	0.58

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

0857 - Raise tubing to 8' btoc.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard/AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/20/17	SAMPLING INITIATED AT: 0935
PUMP OR TUBING DEPTH IN WELL (feet): 81	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1000
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
GW-47S	2	1 L	AG	N/A	8270C – SIM	VT
GW-47S	2	40 mL	CG	HCl	BTEX / 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: PZ-1 (GW-40S)	SAMPLE ID: PZ-1	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 1	WELL SCREEN INTERVAL DEPTH: 4.4 feet to 9.4 feet	STATIC DEPTH TO WATER (feet): 5.62	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (9.56 feet – 5.62 feet) X 0.20 liters/foot ~ 0.79 liters 3x=2.4L

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (15 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1108	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	S4JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
3.0	1112	0.5	0.5	0.1	—	27.1	5.17	136	0.171	59.6	2.31
3.0	1117	0.5	1.0	0.1	—	26.9	4.66	180	0.170	19.0	0.68
3.0	1122	0.5	1.5	0.1	—	26.7	4.60	193	0.173	7.08	0.43
3.0	1127	0.5	2.0	0.1	—	26.6	4.61	202	0.185	20.4	0.60

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

*1" well. Insufficient clearance to gauge well with tubing in place. No H_2O levels will be recorded.

1125 - Pulling air. Lower tubing to 9.5'

1128 - Dry. Will give time to rech. then come back to sample.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1350 9/21
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0731 9/22
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y N	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
PZ-1	2	1 L	AG	N/A	8270C – SIM	VT
PZ-1	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:
Prg @ 1354 (no water recovered)
Return @ 1615
Return @ 9/22 0722

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: PZ-2	SAMPLE ID: PZ-2	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 9.78	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (18.39 feet – 9.78 feet) X 0.65 liters/foot ~ 5.6 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 1420	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (liters): 8.75
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	X Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	1423	0.5	0.5	0.15	9.89	33.5	5.58	97	0.143	24.4	1.75
4.0	1433	1.5	2.0	0.15	10.00	28.1	5.80	51	0.202	7.54	0.54
4.0	1443	1.5	3.5	0.15	10.05	27.1	5.96	20	0.253	4.92	0.27
4.0	1453	1.5	5.0	0.15	10.07	26.5	6.01	5	0.281	3.01	0.14
4.0	1458	0.75	5.75	0.15	10.08	26.6	6.04	-3	0.292	1.75	0.13
4.0	1503	0.75	6.50	0.15	10.08	26.4	6.05	-8	0.303	1.20	0.07
4.0	1508	0.75	7.25	0.15	10.09	26.5	6.07	-14	0.313	1.68	0.08
4.0	1513	0.75	8.00	0.15	10.09	26.6	6.08	-17	0.320	1.85	0.05
4.0	1518	0.75	8.75	0.15	10.09	26.6	6.10	-22	0.327	1.22	0.06

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼ "** = 0.01 ; **⅜"** = 0.022 ; **½ "** = 0.04 ; **⅝"** = 0.06 ; **¾ "** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES:

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1523
PUMP OR TUBING DEPTH IN WELL (feet): 13	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1605
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: (Y) N DUP-4	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
DUP-4/PZ-2	4	1 L	AG	N/A	8270C – SIM	VT
DUP-4/PZ-2	4	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: PZ-3	SAMPLE ID: PZ-3	DATE: 9/21/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 8.17	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (18.77 feet – 8.17 feet) X 0.65 liters/foot ~ 6.9 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1149	PURGING ENDED AT: 1319	TOTAL VOLUME PURGED (liters): 13.4
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	54JVCNUL	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 mS/cm, 0.0 NTU)	~~Zobel (228 mV ORP Solution)~~	☐ Previously Calibrated		
Precalibration Readings:	°C	SU	mV	mS/cm	NTU	mg/L
Calibrated Readings:	°C	SU	mV	mS/cm	NTU	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
4.0	1153	0.5	0.5	0.15	8.42	28.0	5.53	122	0.194	12.7	2.25
4.0	1203	1.5	2.0	0.15	8.68	25.7	5.52	51	0.196	9.07	0.19
4.0	1213	1.5	3.5	0.15	8.83	25.8	5.58	40	0.199	9.16	0.09
4.0	1223	1.5	5.0	0.15	8.99	26.1	5.61	32	0.205	9.11	0.11
4.0	1233	1.5	6.5	0.15	9.10	26.2	5.61	28	0.208	9.63	0.02
4.0	1238	0.75	7.25	0.15	9.14	26.4	5.61	26	0.209	10.2	0.01
4.0	1243	0.75	8.00	0.15	9.18	26.6	5.61	24	0.209	10.7	0.05
4.0	1248	0.75	8.75	0.15	9.21	26.8	5.61	23	0.210	12.2	0.03
4.0	1253	0.75	9.50	0.15	9.25	26.8	5.61	22	0.210	16.2	0.05
4.0	1258	0.75	10.25	0.15	9.27	26.7	5.59	21	0.210	18.2	0
4.0	1303	0.75	11.00	0.15	9.27	26.8	5.59	20	0.209	20.1	0
4.0	1308	0.75	11.75	0.15	9.28	26.9	5.58	20	0.209	16.0	0
4.0	1313	0.75	12.50	0.15	9.28	26.8	5.58	20	0.209	18.4	0
4.0	1318	0.75	13.25	0.15	9.28	27.0	5.56	20	0.208	17.1	0.04

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; ¼ " = 0.01 ; ⅜" = 0.022 ; ½ " = 0.04 ; ⅝" = 0.06 ; ¾ " = 0.09 ; ⅞" = 0.12 ; **1"** = 0.16

NOTES:

1308 - All stable except turbidity > 10 NTU. Beginning to drop monitor for 2 more readings.

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: P. Hagl (Stav) /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/21/17	SAMPLING INITIATED AT: 1321
PUMP OR TUBING DEPTH IN WELL (feet): 13	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1346
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
PZ-3	2	1 L	AG	N/A	8270C – SIM	VT
PZ-3	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

LOW IMPACT GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Walker Street Facility	SITE LOCATION:	213 Walker Street West Douglas, Georgia 31533
WELL NO: PZ-4	SAMPLE ID: PZ-4	DATE: 9/20/17	

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 10 feet	STATIC DEPTH TO WATER (feet): 4.57	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (10.11 feet – feet) X ~~0.20~~ 0.65 liters/foot ~ 3.60 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (15 feet X 0.005 liters/foot) + 0.4 liters ~ 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 745	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	305PLMU	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 mS/cm, 0.0 NTU) ~~Zobel (228 mV ORP Solution)~~ ☐ Previously Calibrated					
Precalibration Readings:	25.98 °C	4.07 SU	250 mV	4.55 mS/cm	– NTU	9.14 mg/L
Calibrated Readings:	°C	4.00 SU	mV	4.49 mS/cm	0.00 NTU	8.07 mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	750	0.50	0.50	0.10	~~24.00~~ 5.52	24.20	4.95	76	0.181	114	0.18
	755	0.50	1.00	0.10	6.02	23.91	4.98	90	0.153	139	0.01
	800	0.50	1.50	0.10	6.24	23.90	5.02	54	0.153	106	0
	805	0.50	2.00	0.10	6.55	23.88	5.08	65	0.156	87.9	0
	810	0.50	2.50	0.10	6.87	23.95	5.20	53	0.179	78.9	0.02
	815	0.50	3.00	0.10	7.05	23.95	5.23	43	0.180	84.6	0.03
	820	0.50	3.50	0.10	7.32	24.05	5.35	3	0.202	82.3	0
	825	0.50	4.00	0.10	7.64	24.07	5.37	−3	0.207	86.7	0
	830	0.50	4.50	0.10	8.00	24.10	5.38	−11	0.184	177	0
	835	0.50	5.00	0.10	8.36	24.05	5.24	13	0.172	138	0
	840	0.50	5.50	0.10	8.86	24.16	5.31	1	0.189	99.9	0
	845	0.50	6.00	0.10	9.38	24.20	5.17	32	0.158	99.3	0
	850	0.50	6.50	0.10	10.00	24.19	4.95	50	0.149	258	0.20

☐ CONTINUED ON REVERSE SIDE

WELL CAPACITY (L Per Ft): **0.75"** = 0.10; **1"** = 0.20; **1.25"** = 0.30; **2"** = 0.65; **3"** = 1.45; **4"** = 2.50; **5"** = 3.90; **6"** = 5.60; **8"** = 9.75; **10"** = 15.40; **12"** = 21.80
TUBING CAPACITY (L Per Ft): **1/16"** = 0.001 ; **0.17"** = 0.005 ; **¼"** = 0.01 ; **⅜"** = 0.022 ; **½"** = 0.04 ; **⅝"** = 0.06 ; **¾"** = 0.09 ; **⅞"** = 0.12 ; **1"** = 0.16

NOTES: tubing lowered @ 0830
well Dry @ 0850
recharge to 5.25' @ 1405

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS **AFTER DEPTH TO WATER HAS STABILIZED**)

Required:
Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:
Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

FIELD DATA TABLE (continued)

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP. (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	COND. (mS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

CHEMICAL PARAMETER STABILIZATION CRITERIA (THREE CONSECUTIVE READINGS AFTER DEPTH TO WATER HAS STABILIZED)

Required:

Turbidity: <10 NTU, or stable (±5%)
pH: ± 0.1 SU
Specific Conductance: ± 5%

Optional:

Dissolved Oxygen: 0.2 mg/L or 10% of saturation (whichever is greater)
Oxygen Reduction Potential: ±20 milliVolts

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Charles Watson /AECOM	[illegible]	9/20/17	1415
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1430
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
PZ-4	2	1 L	AG	N/A	8270C – SIM	VT
PZ-4	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

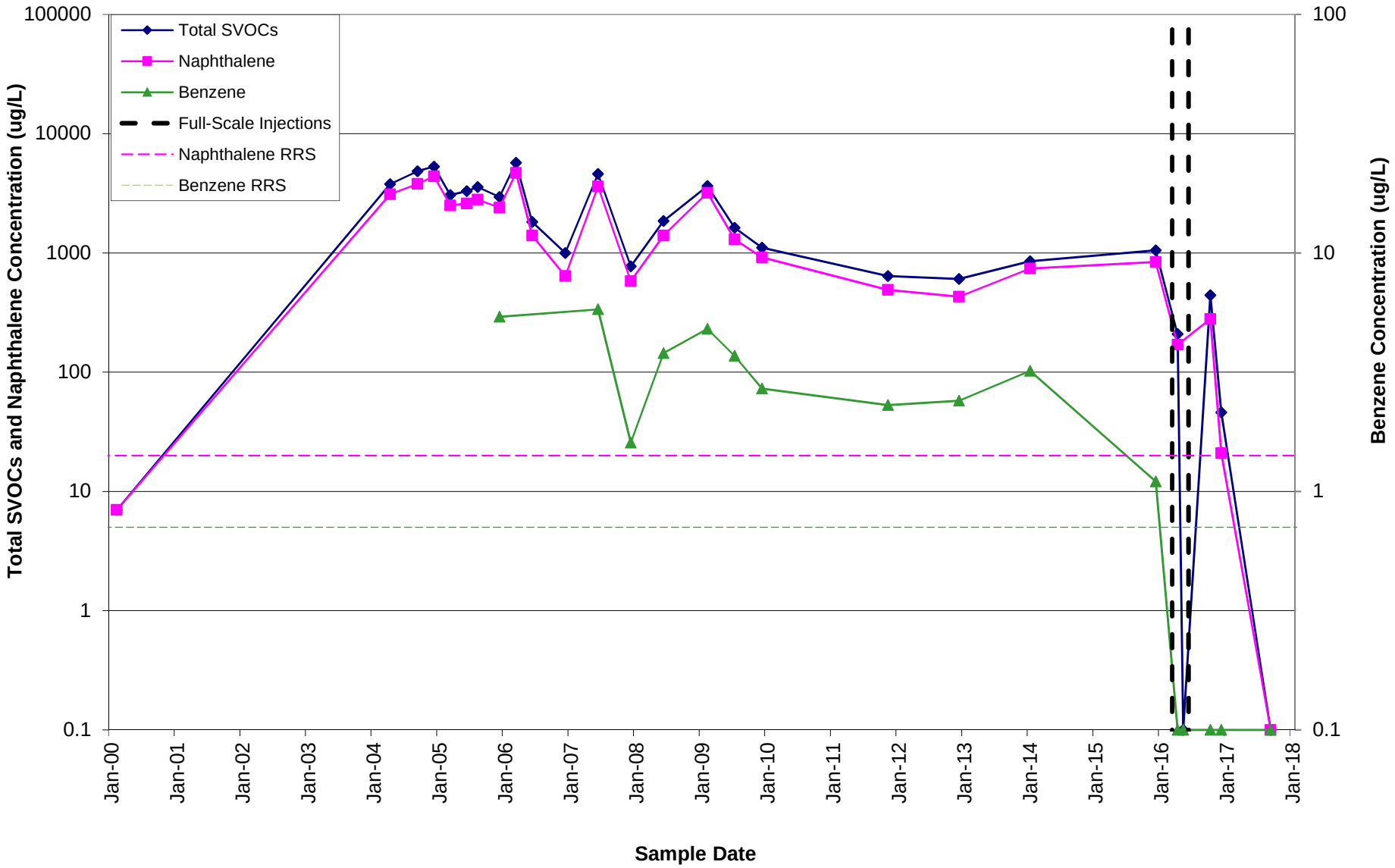
MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **PE** = Polyethylene; **PP** = Polypropylene; **S** = Silicon; **T** = Teflon; **O** = Other (Specify)

SAMPLING / PURGING EQUIPMENT CODES: **APP** = After Peristaltic Pump; **B** = Bailer; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **VT** = Vacuum Trap; **O** = Other (Specify)

Appendix G

Trend Charts for Total SVOCs, Naphthalene, and Benzene in Groundwater at Performance Monitoring Well Locations

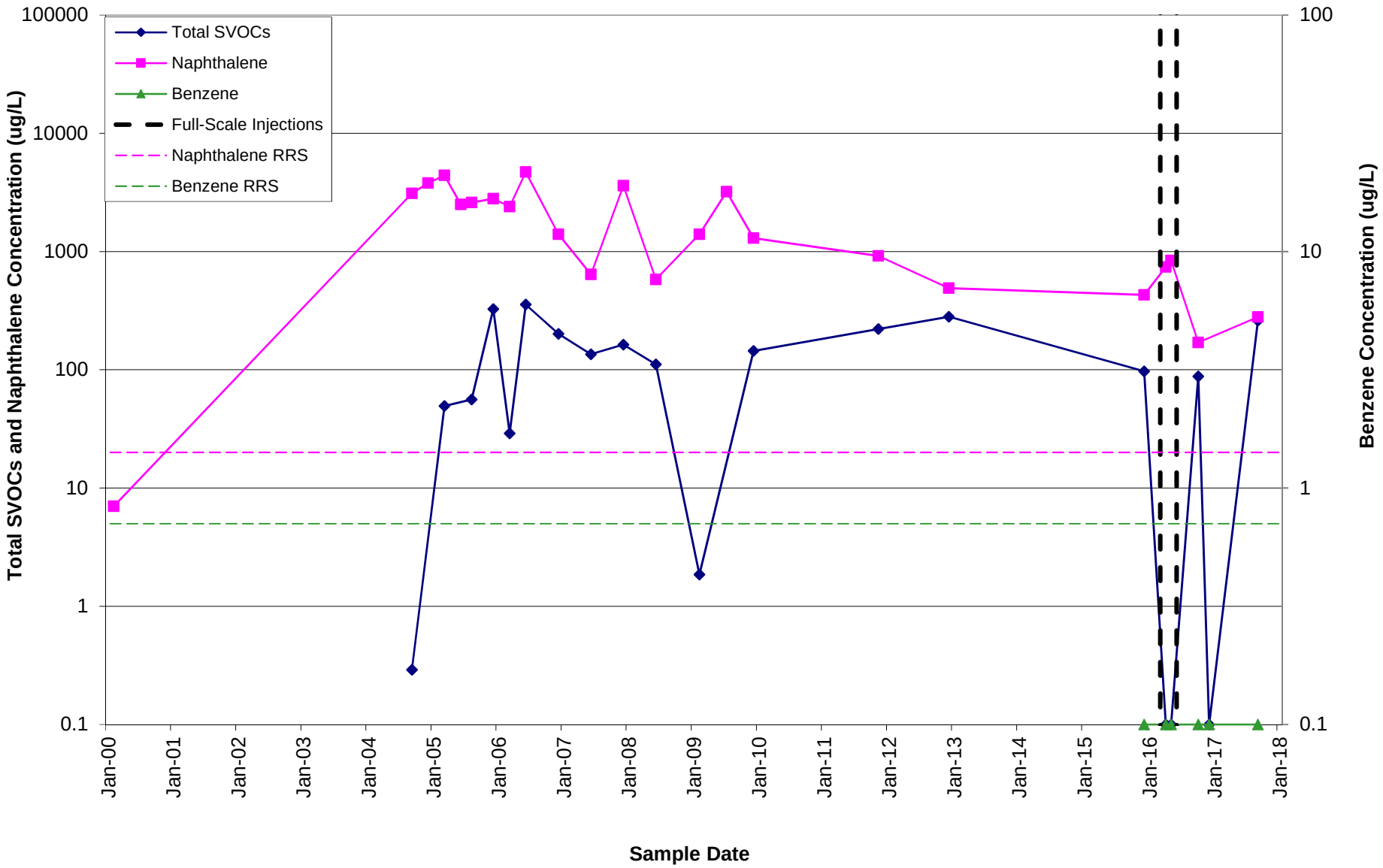
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-20S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

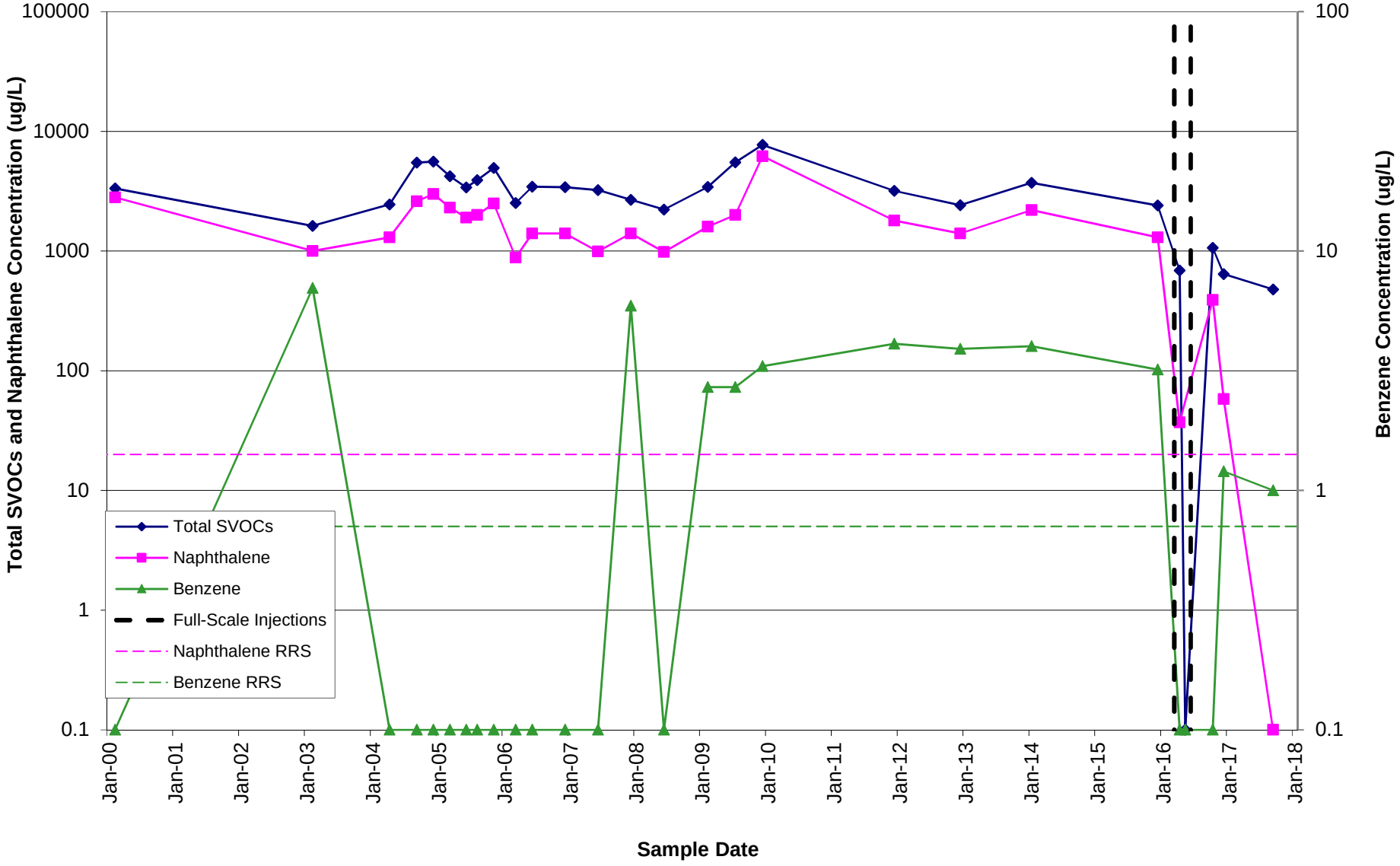
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-20I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

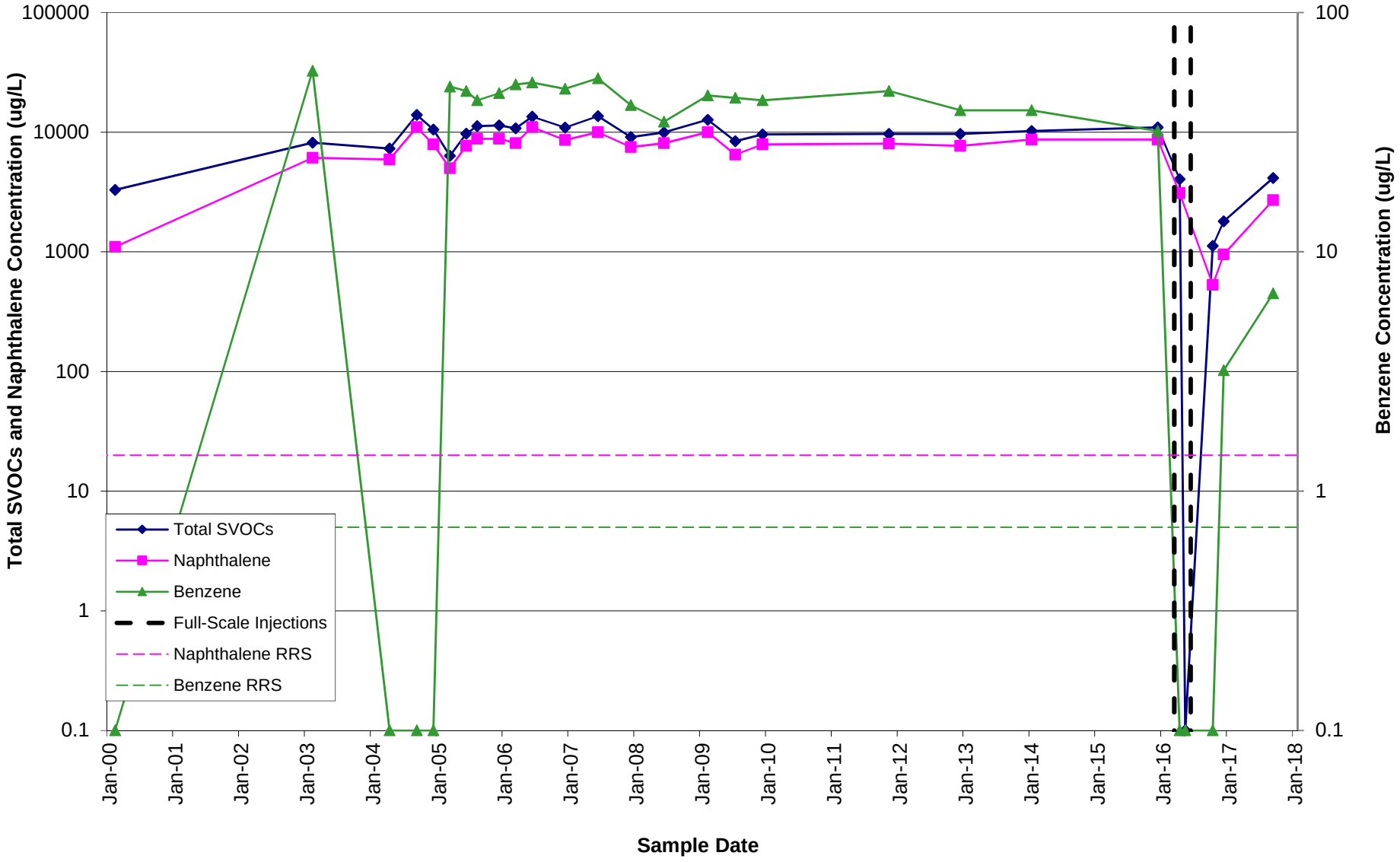
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-24I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

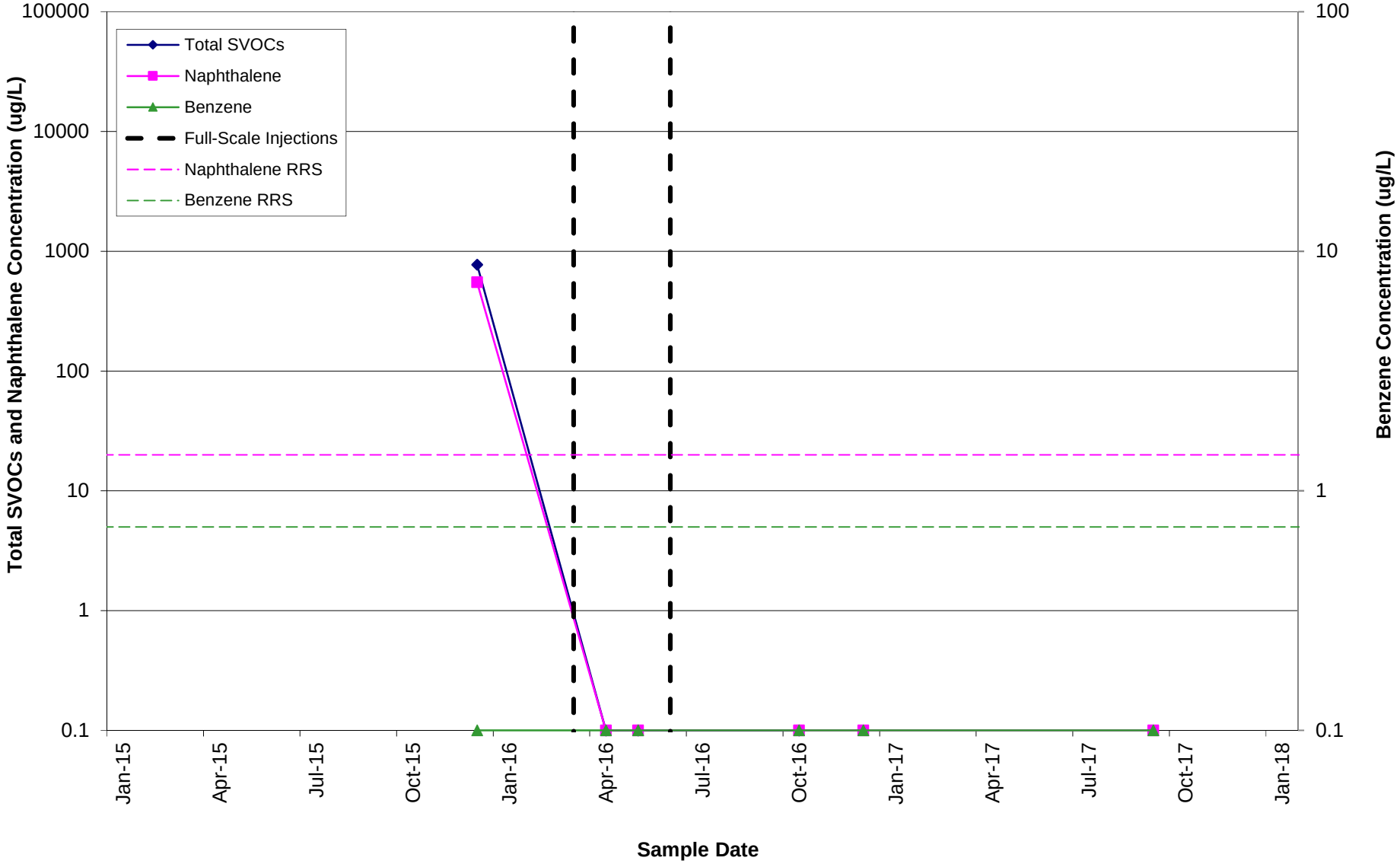
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-27I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

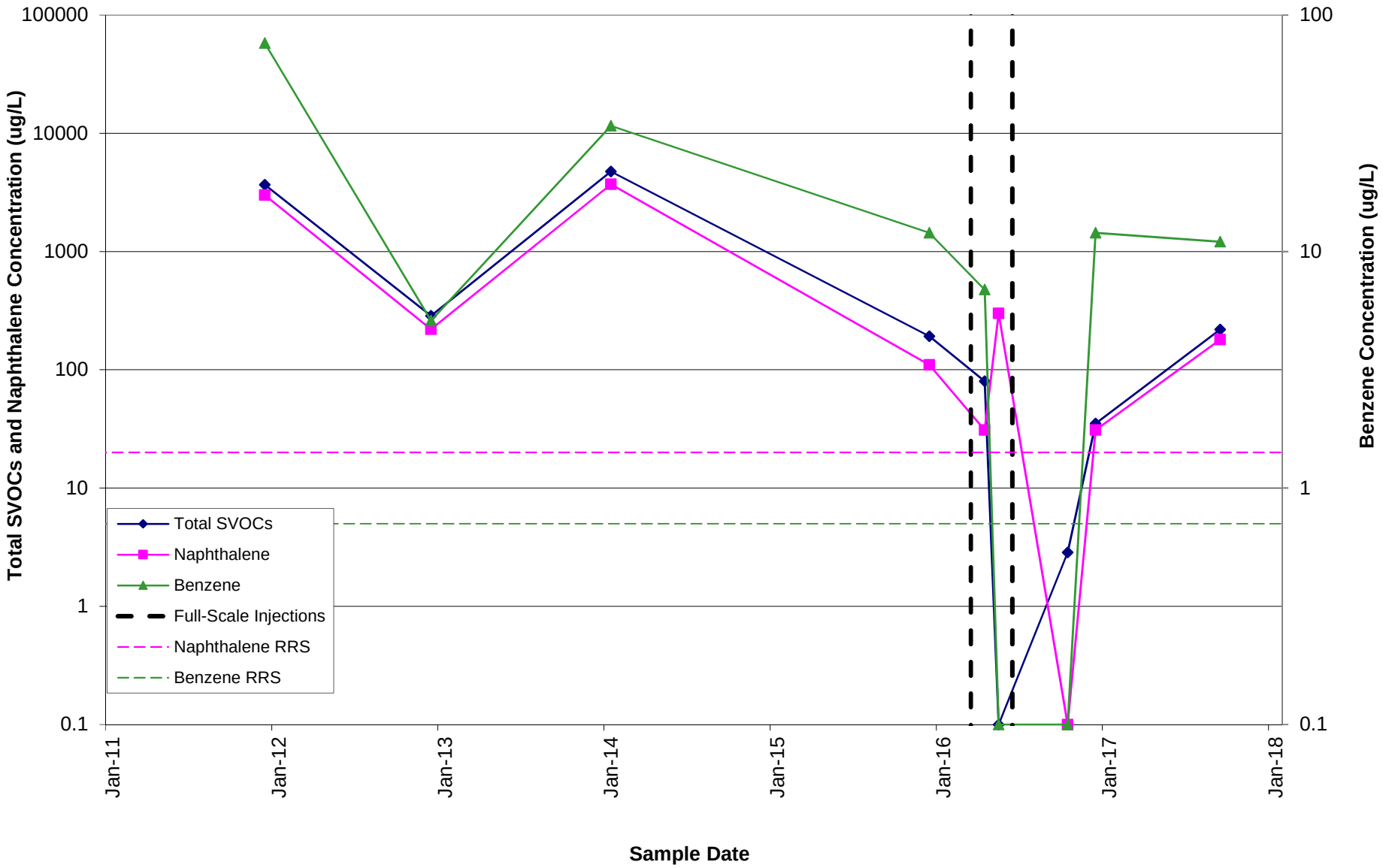
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-28I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

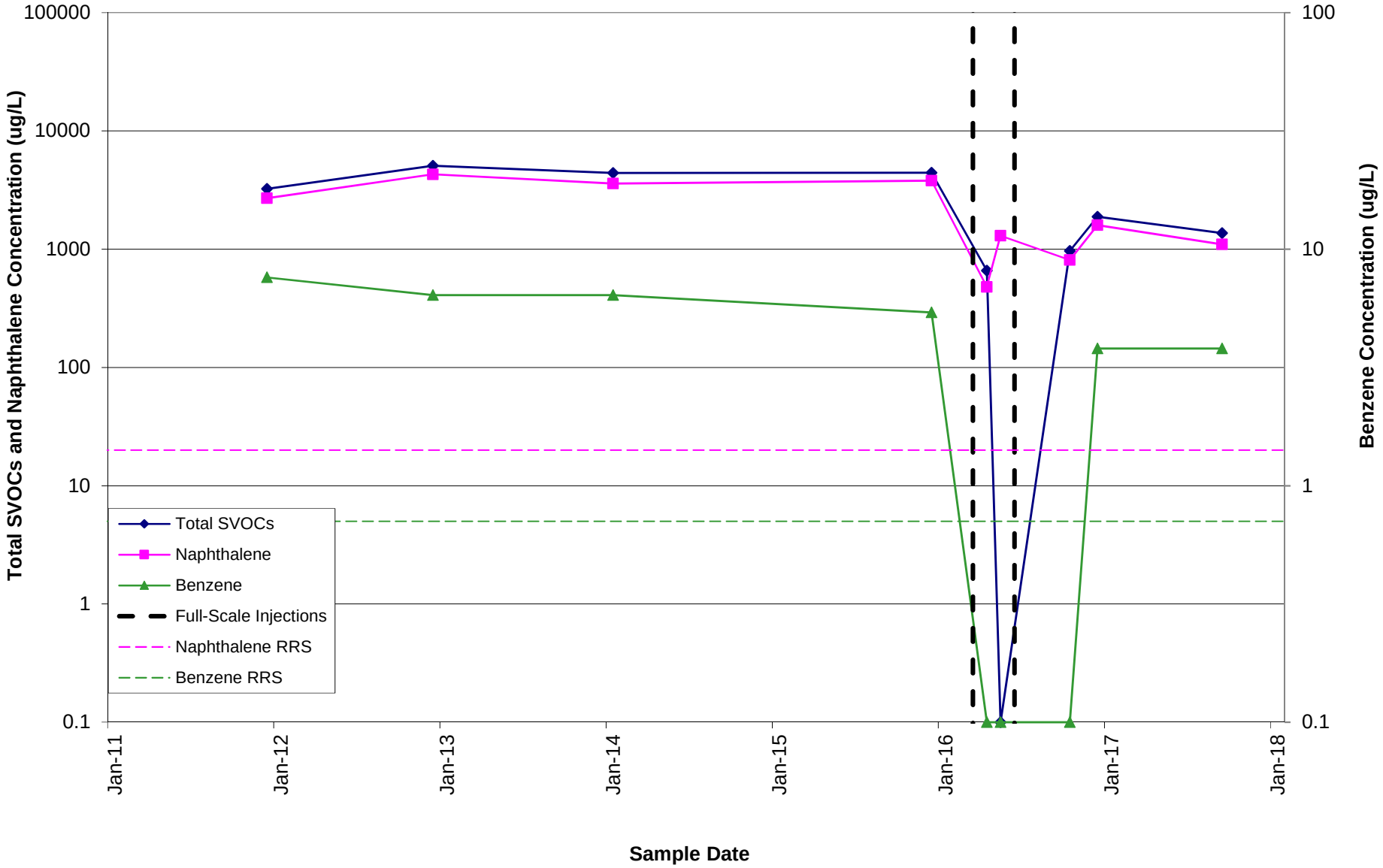
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-29S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

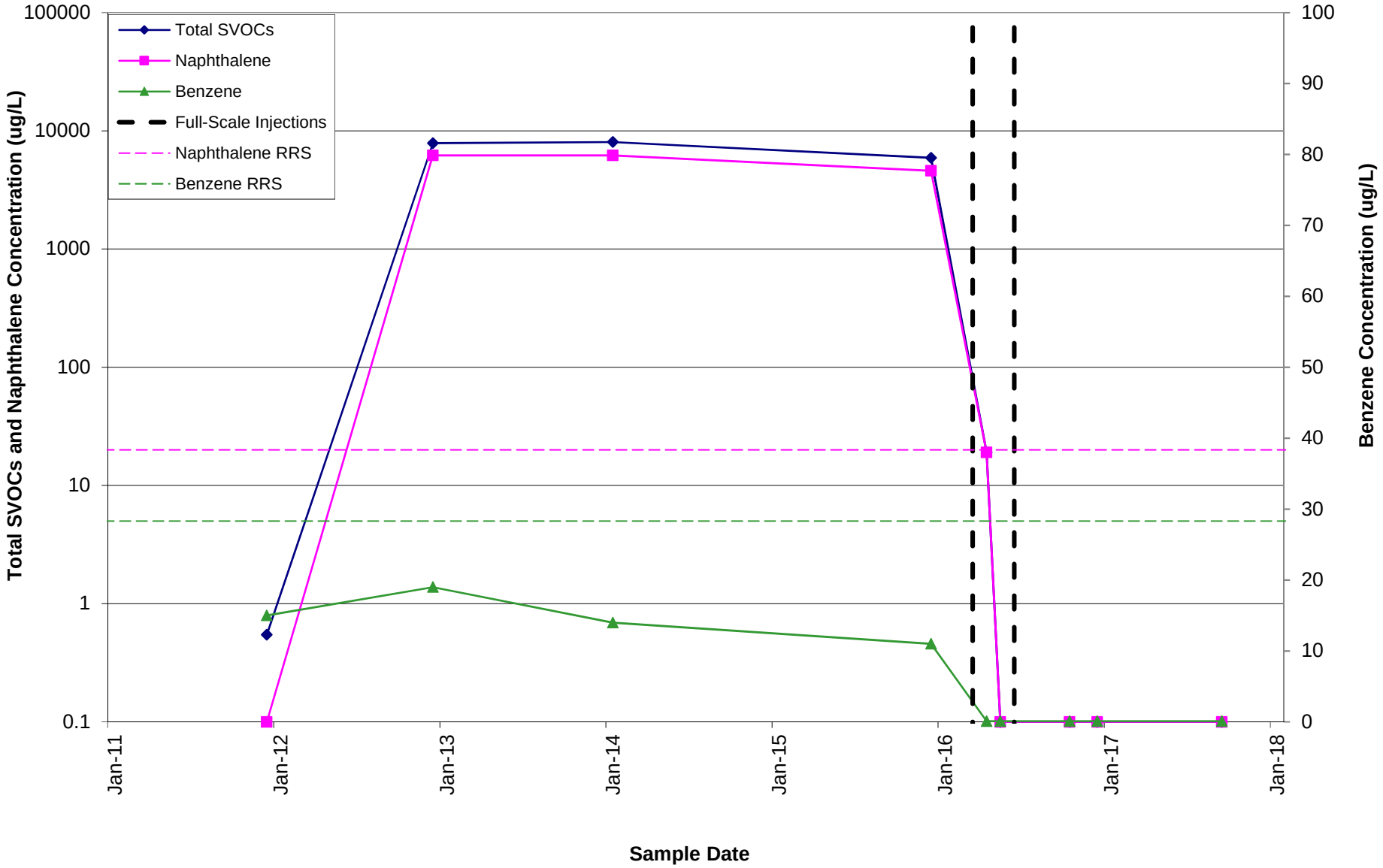
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-31I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

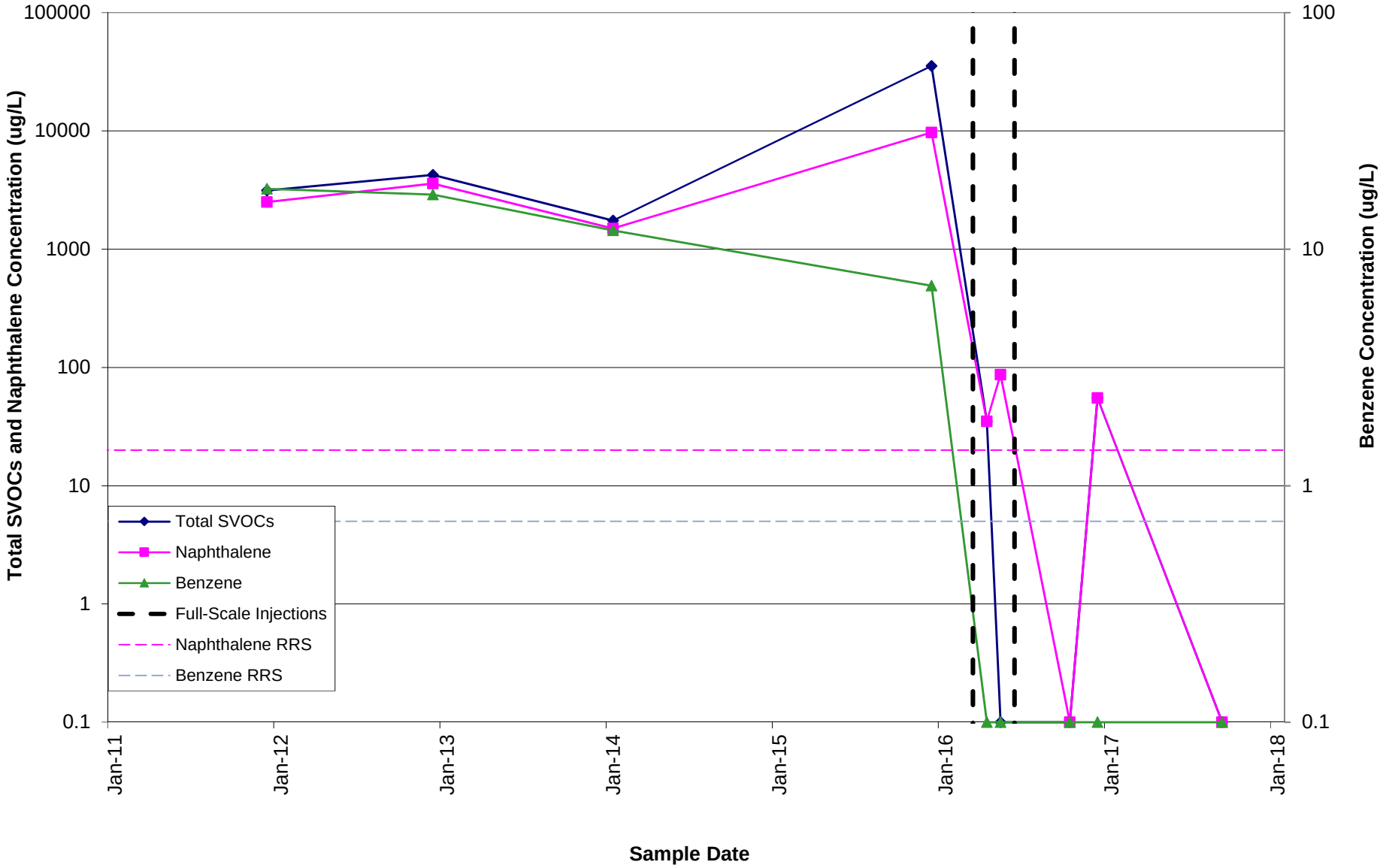
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-32I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

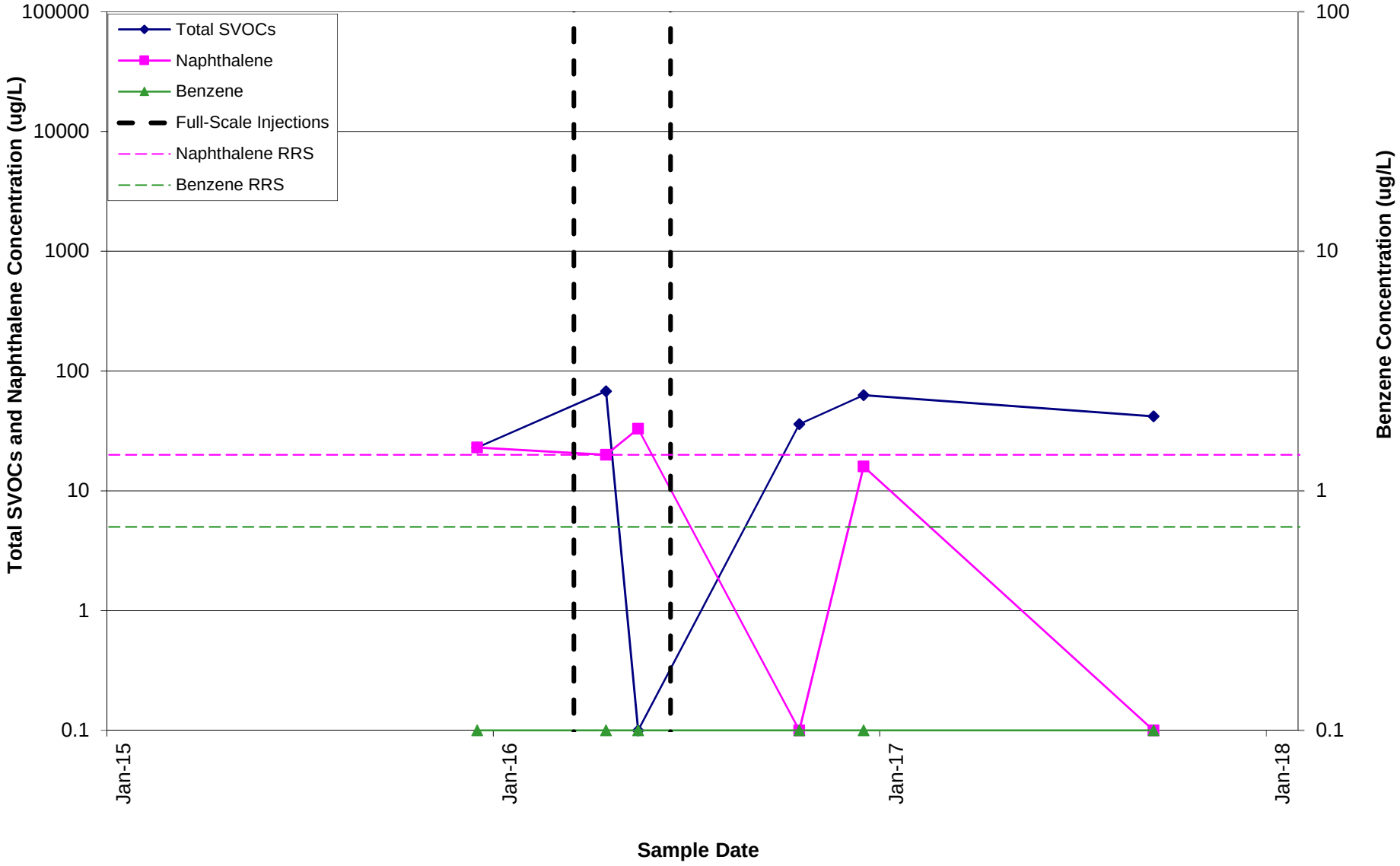
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-33I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

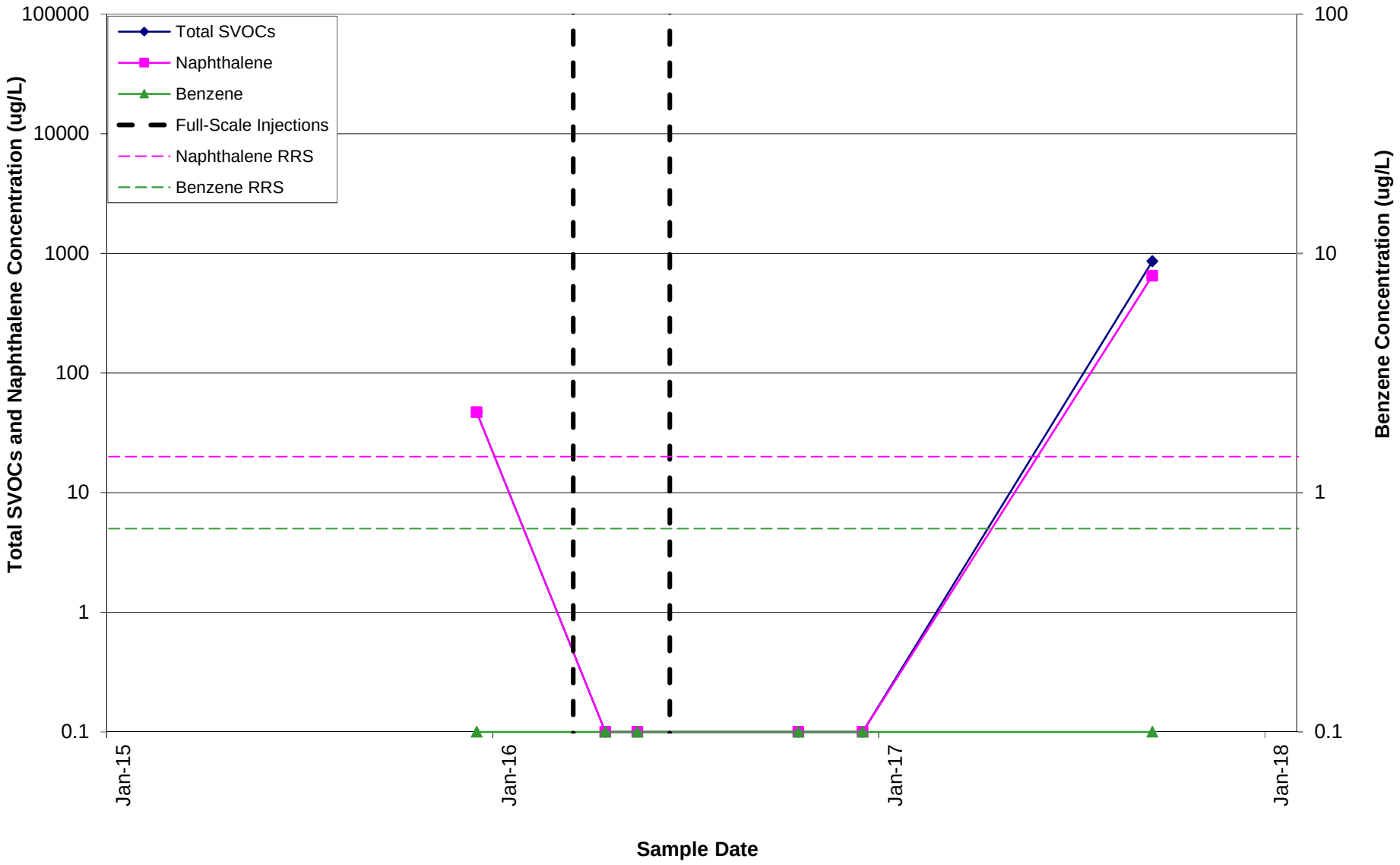
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-41S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

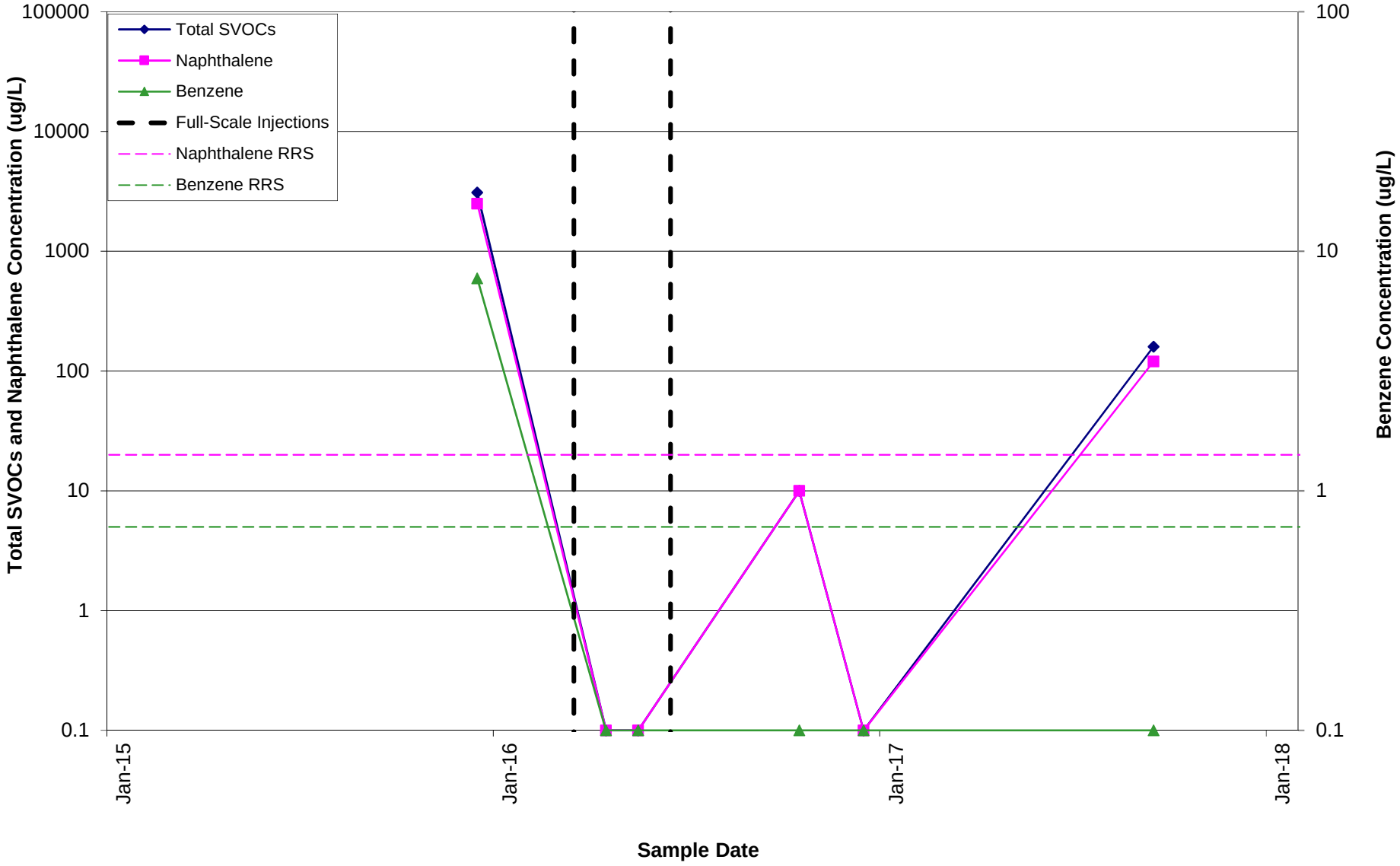
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-42I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

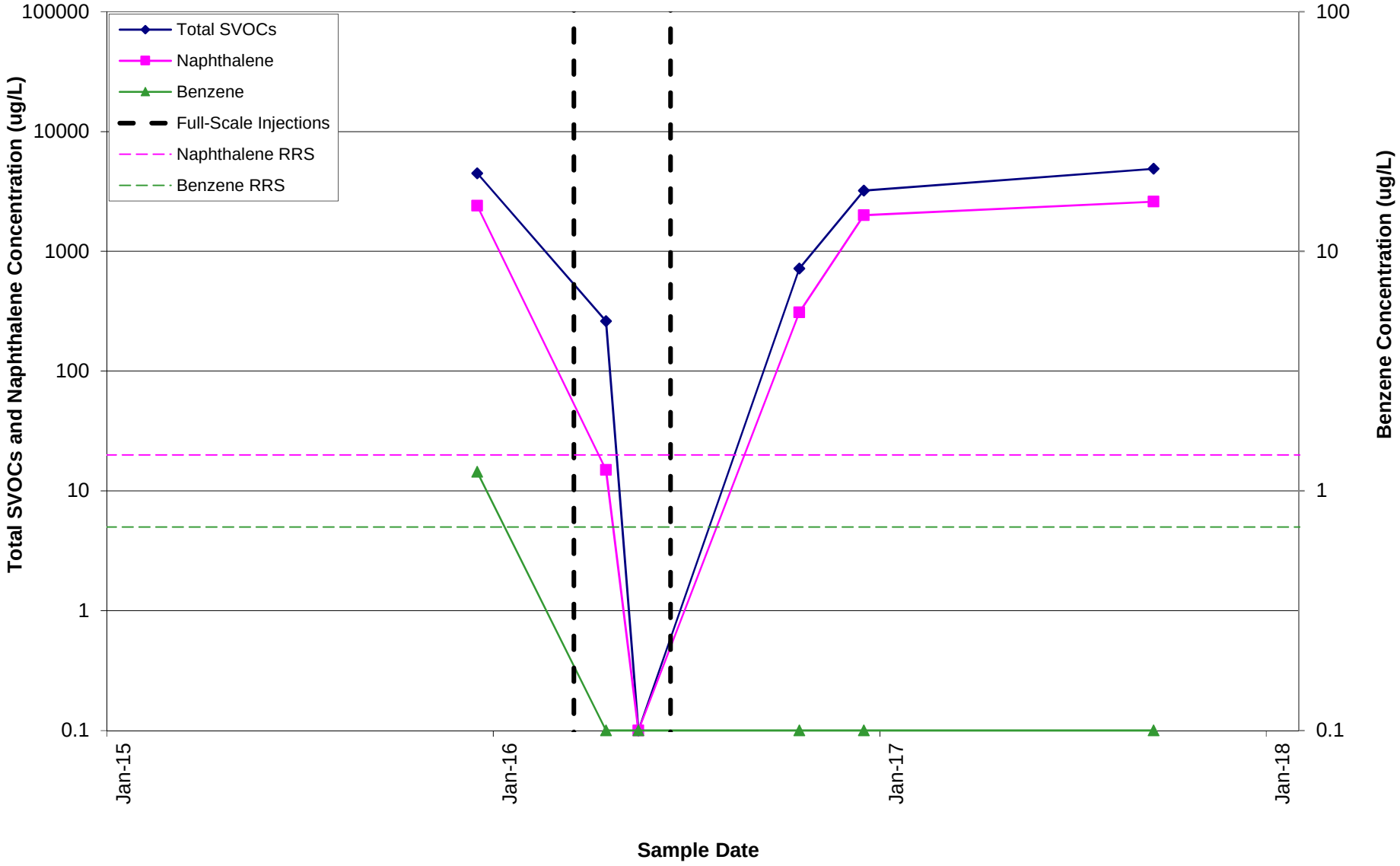
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-43I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-44I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

Appendix H
ISCO Injection Surfacing Summary Field Notes

SURFACING SUMMARY

3/28/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-88-C	16-24	10:04	H_2O_2	75	approx 24' NE of point
1I-94C	16-24	10:09	H_2O_2	85	~75' W of point
1I-90C	16-24	10:33	H_2O_2	145	~30' SW of point
1I-92C	16-24	10:33	H_2O_2	145	~35' SW of point
1I-65C	16-24	12:06	H_2O_2	80	~25' E of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

3/30/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-3B	8-16	08:26	H_2O_2	15	~12' SW of point
1I-5B	8-16	08:59	$FeSO_4$ - Catalyst	10	~16' E of point
1I-5B	8-16	09:15	H_2O_2	15	~32' S of point
1I-3A	3-8	09:20	H_2O_2	7	~12' SW of point
1I-123C	16-24	09:48	H_2O_2	25	~15' W of point
1I-121C	16-24	09:58	H_2O_2	55	~40' N of point
1I-119C	16-24	10:41	$FeSO_4$ - Catalyst	17	~12' SW of point
1I-136C	16-24	13:56	H_2O_2	90	~30' S of point
1I-140C	16-24	14:06	H_2O_2	115	~27' SW of point
1I-~~153C~~ 152C	16-24	15:50	H_2O_2	50	~20' NW of point
1I-142C	16-24	16:26	H_2O_2	142	~15' E of point
1I-57C	16-24	17:56	H_2O_2	55	~16' SW of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

3/31/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
II - 89C	16-24	10:47	H_2O_2	80	~9' SW of point
II - 93C	16-24	10:50	H_2O_2	90	~35' NW of point
II - 95C	16-24	10:52	H_2O_2	100	~35' NW of point
II - 87C	16-24	12:39	H_2O_2	50	~8' NW of point
II - 61C	16-24	14:50	H_2O_2	90	~15' E of plant

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/1/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-19C	16-24	08:57	H_2O_2	52	~32' SE of point
1I-134C	16-24	09:58	H_2O_2	140	~62' NW of point
1I-105C	16-24	11:36	H_2O_2	85	~10' W of point
1I-150C	16-24	11:42	H_2O_2	101	~27' NW of point
1I-103C	16-24	13:50	H_2O_2	90	~15' N of point
1I-109C	16-24	15:08	$FeSO_4$	150	~20' W of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/2/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I - 52C	16-24	11:11	H_2O_2	50	~5' N of point
1I-46C	16-24	15:56	~~H_2O~~ Water after H_2O_2	20	~25 W of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/3/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
II-125D	24-32	09:17	H_2O_2	75	~25' SW of point
II-104C	16-24	11:38	H_2O_2	25	~15' NE of point
II-129C	16-24	12:35	Water during flush	20	~18' E of point
II-131C	16-24	13:52	H_2O_2	60	~2' S of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/4/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
II-47C	16-24	13:52	Water flush after H_2O_2	20	~25' SW of point
II-49C	16-24	15:12	H_2O_2	60	~8' W of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/5/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-131D	24-32	09:03	H_2O_2	70	~12' ~~SW~~ SE of point
1I-74C	16-24	11:03	H_2O_2	30	~20' N of point
1I-20D	16-24	14:02	Water flush post H_2O_2	20	~60' N of point
1I-135C	16-24	14:45	$FeSO_4$	125	~40' S of point
1I-62C	16-24	15:17	H_2O_2	60	~20' N of point
1I-34C	16-24	16:00	Water flush post H_2O_2	20	~20' N of point
1I-1A	3-8	16:43	Water flush post H_2O_2	2	~6' SW of point
1I-12A	3-8	16:58	$FeSO_4$	1	Annulus
1I-17A	3-8	17:19	H_2O_2	5	~1' SW

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/6/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-9D	24-32	08:20	$FeSO_4$ - Catalyst	75	~5' W of point
1I-48C	16-24	11:24	H_2O_2	110	~27' W of point
1I-125C	16-24	13:05	H_2O_2	37	~15' S of point @ well casing
1I-12A	3-8	15:12	H_2O_2	5	~8 W of point
1I-18A	3-8	15:17	H_2O_2	1	~10' NE of point
1I-17A	3-8	15:19	H_2O_2	4	~6' NE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/11/2015 AECOM personnel: P. Jacob

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-147C	16-24	8:17 -8:21	water	10	18' NE
1I-151C	24-32	9:03 -10:01	H_2O_2	150	50' SW
1I-147C	16-24	9:03 -9:14	H_2O_2	20	18' NE.
1I-76C	16-24	11:24 -11:46	H_2O_2	60	18' W.
1I-18A	3-8	1732-1733	$FeSO_4$	5	12' NE
1I-18A	3-8	1800-1801	$FeSO_4$	1.5	12' NE
1I-1A	3-8	1802-1803	$FeSO_4$	4.5	10' N
1I-2B	8-16	1804-1805	$FeSO_4$	4.5	9' W
1I-12A	3-8	1824-1826	H_2O_2	5	9' W
1I-13A	3-8	1827-1828	H_2O_2	5	12' NE
1I-18A	3-8	1831-1832	H_2O_2	2.5	12' NE
1I-17A	3-8	1835-1836	H_2O_2	4	15' NW
1I-1A	3-8	1838-1839	H_2O_2	3	9' N
1I-2B	8-16	1840-1841	H_2O_2	3.5	9' W

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/12/2016

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-26D	24-32	1026/1041	Cat	65	22' W (1I-22 repushed)
1I-24D	24-32	1026/1045	Cat	80	40' N (1I-22 repushed)
1I-15D	24-32	1026/1101	Cat	135	20' W
1I-64C	16-24	1428	H_2O_2	112	35' S

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

4/13/2016

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
1I-2A	3-8	0940	H_2O_2	1	6' W
1I-2A	3-8	1016	H_2O_2	1	6' W
1I-6B	8-16	0949	H_2O_2	4	13' N
1I-8B	8-16	1129	Cat	3	37' SW
1I-4B	8-16	1155	Cat	1	9' N
1I-7A	3-8	1159	Cat	2	5' W
1I-7B	8-16	1201	Cat	1	5' W
1I-4A	3-8	1231	H_2O_2	3	6' N
1I-4B	8-16	1232	H_2O_2	2	9' N
1I-1B	8-16	1256	H_2O_2	3	9' NE
1I-4B	8-16	1258	H_2O_2	1	1' SE.

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/7/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-183C	16-24	11:50	H_2O_2	140	~22' SW of point
2I-187C	16-24	14:26	H_2O_2	45	~15' SW of point
2I-117C	16-24	17:11	H_2O_2	150	~30' NW of point
2I-119C	16-24	18:49	H_2O_2	115	~45' W of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/8/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-62C	16-24	11:07	H_2O_2	80	~30' NE of point
2I-58C	16-24	13:04	H_2O_2	115	~30' SW of point
2I-32C	16-24	15:23	H_2O_2	140	~20' NW of point
2I-30C	16-24	17:04	H_2O_2	115	~12' SE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/9/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I - 103C	16-24	11:02	H_2O_2	55	~35' NW of point
2I - 97C	16-24	11:11	H_2O_2	80	~18' NW of point
2I - 101C	16-24	11:14	H_2O_2	90	~7' NW of point
2I - 144D	24-32	14:14	H_2O_2	15	~6' SE of point
2I - 128C	16-24	16:45	H_2O_2	135	~20' SE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/10/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I - 105C	16-24	08:31	H_2O_2	75	~25' SW of point
2I - 71C	16-24	10:08	H_2O_2	50	~12' NE of point
2I - 77C	16-24	10:26	H_2O_2	105	~ 25' SW of point
2I - ~~23C~~ 13D	24-32	16:03	H_2O_2	135	~15' NW of point
2I - 23C	16-24	16:15	H_2O_2	145	~32' S of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/11/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-152D	24-32	13:15	H_2O_2	25	~20' W of point
2I-134D	24-32	13:33	H_2O_2	75	~30' E of point
2I-150D	24-32	13:39	H_2O_2	100	~35' N of point
2I-16A	3-8	14:56	Catalyst	1	Annulus
2I-10A	3-8	15:30	H_2O_2	5	~2' SW of point
2I-15A	3-8	15:38	H_2O_2	5	~18' NE of point
2I-17A	3-8	15:41	H_2O_2	5	~3' SE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/12/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-136C	16-24	06:57	$FeSO_4$ - Catalyst	78	~4' N of point
2I-150C	16-24	07:19	Water flush after $FeSO_4$ catalyst	150	~35' SW of point
2I-118C	16-24	09:39	H_2O_2	93	~39' W of point
2I-114D	24-32	11:37	H_2O_2	105	~30' NW of point
2I-116D	24-32	11:59	Water flush after H_2O_2	150	~35' NW of point
2I-1A	3-8	13:58	$FeSO_4$ - Catalyst	10	~7' S of point
2I-10A	3-8	13:57	$FeSO_4$ - Catalyst	4	~1' SW of point
2I-15A	3-8	14:10	$FeSO_4$ - Catalyst	6	~18' NE of point
2I-16A	3-8	14:11	$FeSO_4$ - Catalyst	1	Anulus of point
2I-1A	3-8	14:35	H_2O_2	2	~7' S + 2' N of point
2I-10A	3-8	14:35	H_2O_2	2	~1' SW of point
2I-11A	3-8	14:38	H_2O_2	7	~10' SW of point
2I-15A	3-8	14:45	H_2O_2	3	~18' NE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/13/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-13bC	16-24	06:35	H_2O_2	35	~4' NE of point
2I-91C	16-24	08:41	Water flush post - H_2O_2	20 gal water 150 (H_2O_2)	~41' W of point
2I-63C	16-24	11:52	H_2O_2	53	~21' W of point
2I-1A	3-8	14:29	$FeSO_4$ - Catalyst	10	~10' NE of point
2I-10A	3-8	14:26	$FeSO_4$ - Catalyst	2	~1' SW of point
2I-11A	3-8	14:34	$FeSO_4$ - Catalyst	4	~10' SW of point
2I-15A	3-8	14:42	$FeSO_4$ - Catalyst	6	~20' NE of point
2I-16A	3-8	14:50	$FeSO_4$ - Catalyst	8	~1' E of point
2I-1A	3-8	15:10	H_2O_2	2	~4' E of point
2I-10A	3-8	15:10	H_2O_2	2	~1' SW of point
2I-2A	3-8	15:14	H_2O_2	8	~16' SW of point
2I-11A	3-8	15:14	H_2O_2	3	~10' W of point
2I-6A	3-8	15:31	H_2O_2	8	~8' SE of point
2I-16A	3-8	15:31	H_2O_2	1	~1' E of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/14/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-19D	24-32 ~~09:23~~	09:23	H_2O_2	41	~36' W of point
2I-116C	16-24	13:21	H_2O_2	83	~38' NW of point
2I-1A	3-8	14:03	$FeSO_4$ - Catalyst	7	~12' E of point
2I-10A	3-8	14:03	$FeSO_4$ - Catalyst	3	~1' SE of point
2I-2A	3-8	14:08	$FeSO_4$ - Catalyst	9	~15' SW of point
2I-11A	3-8	14:07	$FeSO_4$ - Catalyst	5	~10' SW of point
2I-16A	3-8	14:20	$FeSO_4$ - Catalyst	3	~2' NE of point
2I-6A	3-8	14:26	$FeSO_4$ - Catalyst	10	~8' S of point
2I-1A	3-8	14:38	H_2O_2	2	~12' E of point
2I-10A	3-8	14:39	H_2O_2	2	~1' SW of point
2I-2A	3-8	14:40	H_2O_2	2	~15' SW of point
2I-11A	3-8	14:40	H_2O_2	2	~10' SW of point
2I-12A	3-8	14:43	H_2O_2	6	~12' NW of point
2I-16A	3-8	14:51	H_2O_2	1	~2' NE of point
2I-6A	3-8	14:55	H_2O_2	2	~9' S of point
2I-17A	3-8	14:56	H_2O_2	5	~10' SW of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/15/16

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-143C	16-24	13:38	H_2O_2	50	~36' SE of point

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/27/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
21-15B	8-16	727/732	H_2O_2	15	13' S
21-13C	16-24	1156/1200	H_2O_2	35	15' NW

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/26/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-126C	16-24	616/626	H_2O_2	30	17' NW
2I-103D	24-32	1137/1232	H_2O_2	135	30' W
~~2I-76D~~	~~1204/1219~~				
2I-76D	24-32	1204/1219	H_2O_2	33	12' E
2I-59C	16-24	1338/1416	H_2O_2	115	30' NW

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/25/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-100C	16-24	1305/1339	H_2O_2	95	40' W
2I-102C	16-24	1305/1319	H_2O_2	40	15' NW
2I-126C	16-24	1448/1457	H_2O_2	25	12' NW

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/23/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-2B	8-16	639/641	Cat-	6	3' S
2I-1B	8-16	659/701	H_2O_2	7	9' NW
2I-2B	8-16	701/703	H_2O_2	3	3' S
2I-5B	8-16	714/719	H_2O_2	13	10' S
2I-8D	24-32	742/801	H_2O_2	60	20' NE
2I-6D	24-32	934/1022	H_2O_2	80	2' NW
2I-9C	16-24	1318/1407	H_2O_2	135	10' S

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/24/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I- 1B	8-16	631/634	Cat	8	10' NW
2I- 2B	8-16	635/636	Cat	3	6' SW
2I-1B	8-16	654/656	H_2O_2	5	10' NW
2I-2B	8-16	656/658	H_2O_2	6	4' S
2I -87C	16-24	853/937	H_2O_2	130	27' NW
2I- 113C	16-24	1325/1344	H_2O_2	50	17' NW
2I-115C	16-24	1325/1345	H_2O_2	60	26' NE

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/22/2016 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-47C	16-24	912/943	H_2O_2	95	12' SW
2I-14D	24-32	912/949	H_2O_2	110	26' SW
2I-24D	24-32	1056/1138	H_2O_2	130	38' NE
2I-111C	16-24	1431/1503	H_2O_2	100	31' SE
2I-139D	24-32	1431/1504	H_2O_2	80	18' NE
2I-4B	8-16	1601/1605	Cat		6' SW
2I-2B	8-16	1618/1618	H_2O_2		72' SW
2I-4B	8-16	1624/1626	H_2O_2		6' SW

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/21/16 AECOM

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-98C	16-24	827	H_2O_2	120	surfaced @ annulus. Plug + relay
2I-104C	16-24	811	H_2O_2	73	58' W

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

SURFACING SUMMARY

6/20/2016 Monday.

Inj. Pt. ID	Interval	Time	Material	Vol. Injected (gal)	Location of Surfacing
2I-121C	16-24	926/951	H_2O_2	74	20' S
2I-127C	16-24	926/951	H_2O_2	20	6' NE
2I-76C	16-24	1124/1208	H_2O_2	135	50' NE
2I-102D	24-32	1340/1406	H_2O_2	80	38' NW
2I-100D	24-32	1323/1338	H_2O_2	44	3' NE in wellbox 33I

A-Interval - 3-8 feet below land surface
B-Interval - 8-16 feet below land surface
C-Interval - 16-24 feet below land surface
D-Interval - 24-32 feet below land surface

Appendix I

Memo Write-up on Average Ditch Flow

AECOM
Technical Memorandum

AECOM
One Midtown Plaza
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Atlanta, Georgia 30309
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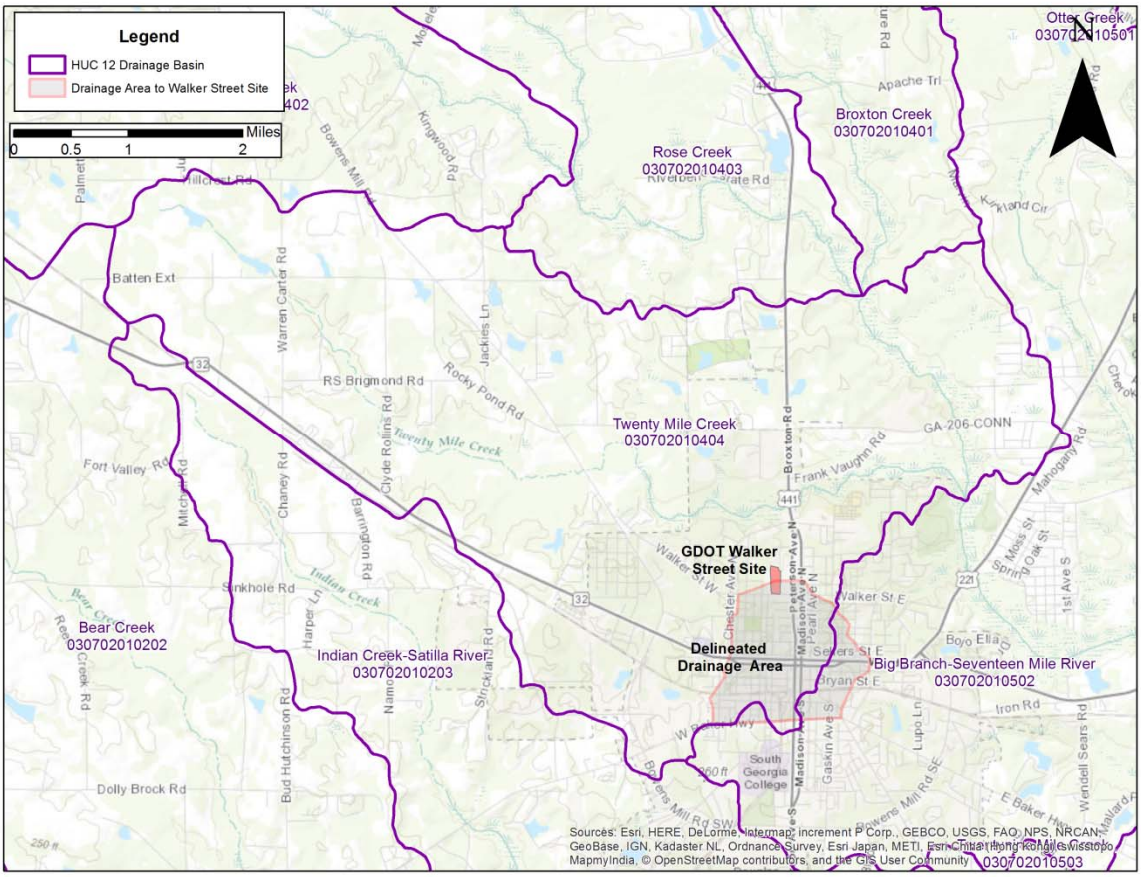
To	Georgia Department of Transportation
Subject	GDOT Walker Street Site Flow Calculations
From	
Date	July 25, 2017

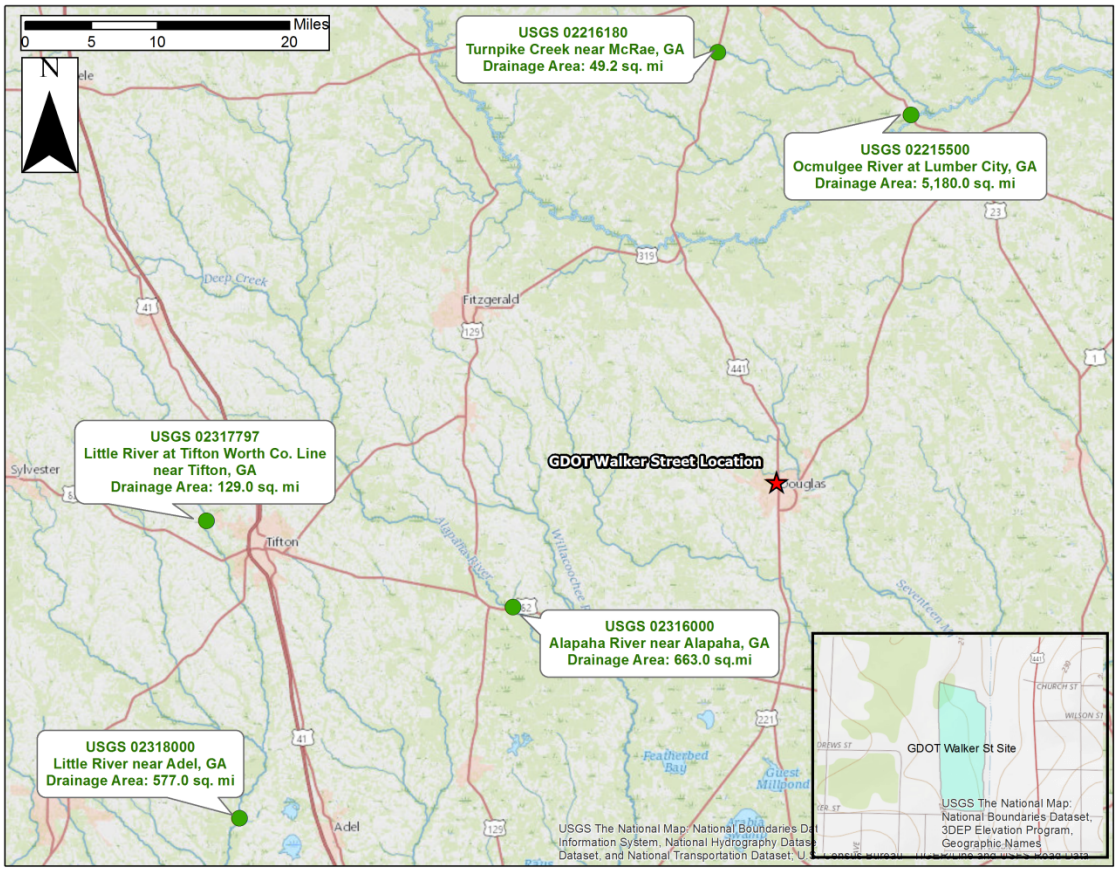
The annual average daily flow (AADF) for the Georgia Department of Transportation (GDOT) Walker Street site was estimated to be approximately 1.0 cfs. The AADF at this site was needed in order to determine the potential groundwater influence at the Walker Street site. The drainage area at the Walker Street site discharge is estimated to be approximately 1.24 square miles (sq. mi.). **Figure 1** shows the GDOT Walker Street site. No recorded streamflow data is available for the Walker Street site or in the subbasin. This technical memorandum discusses the methodology used to estimate the AADF at this site.

Figure 1. GDOT Walker Street Site



Historical streamflow data from five nearby United States Geological Survey (USGS) streamflow gages were evaluated for their use in estimating the AADF at the unnamed ditch at the Walker Street Site. **Figure 2** shows the GDOT Walker Street site in relation to the five USGS gages.

Figure 2. Five USGS Gages in Relation to the GDOT Walker Street Site



The available streamflow data from the five USGS gages were analyzed and compared to the Walker Street site. USGS Gage No. 02216180 Turnpike Creek near McRae, GA was selected for estimating the AADF at the Walker Street Site discharge location. The other USGS gages were eliminated either because of insufficient data availability or due to their large drainage basin area. The drainage area at USGS Gage No. 02216180 Turnpike Creek near McRae, GA is 49.2 sq. mi. and the AADF is 40.8 cubic feet per second (cfs)[1].

The drainage area ratio of the Walker Street site to the USGS Gage No. 02216180 is 0.025 (1.24 sq. mi. to 49.2 sq. mi.). Using the drainage area ratio methodology, the AADF at the Walker Street site was estimated to be 1.0 cfs.

[1] Period of Record = February 6, 1985 – June 20, 2017. The AADF from USGS surface-water annual statistics (https://waterdata.usgs.gov/ga/nwis/annual) for calendar years 1985-2015 was calculated to be 38.6 cfs.

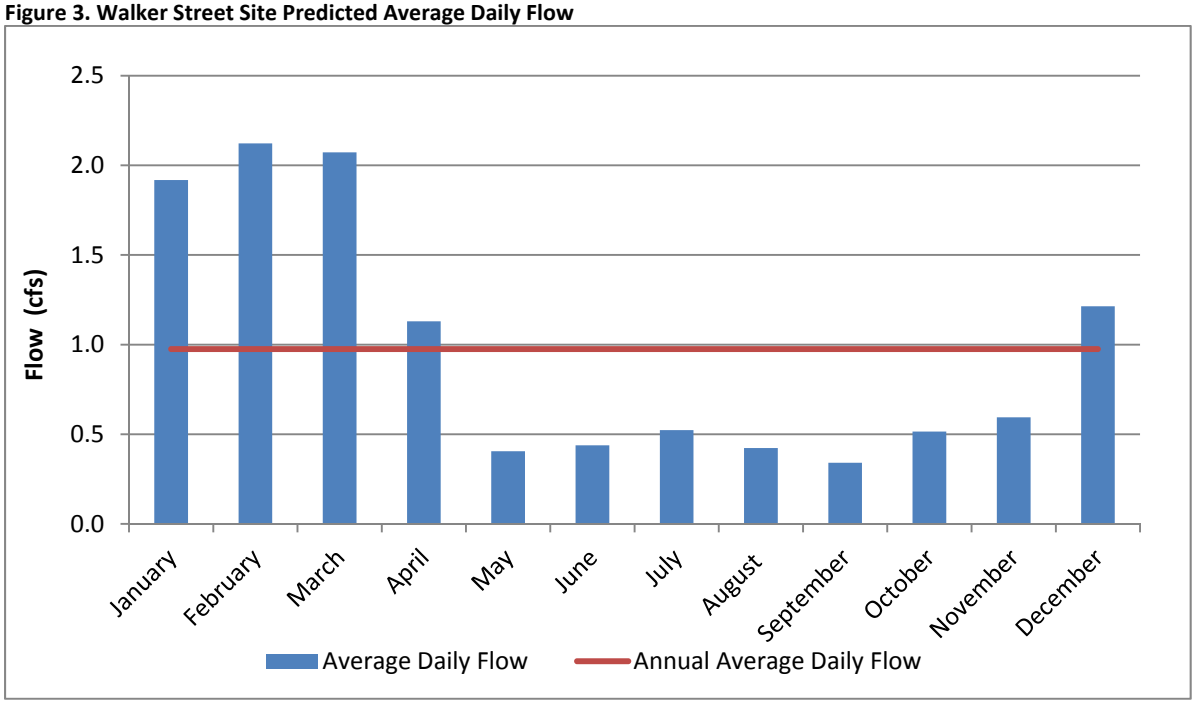
The monthly average flow at the Walker Street Site was also calculated based on the period of record available for 1985-2017 from the USGS Gage No. 02216180. **Table 2** lists the estimated monthly streamflow data for the Walker Street site. **Figure 3** shows the average monthly flow. January - March historically have higher flow rates, while the summer months of July – September have the lowest flow rates. These are representative of the region and the Walker Street Site should see similar trends.

Table 1. Estimated Monthly Flow at the Walker Street Site[1]

	Average Daily Flow (cfs)	Minimum Daily Flow (cfs)	Maximum Daily Flow (cfs)
January	1.9	0.6	8.1
February	2.1	0.8	10.4
March	2.1	0.6	12.8
April	1.1	0.1	7.6
May	0.4	0.0	5.1
June	0.4	0.0	2.1
July	0.5	0.0	1.9
August	0.4	0.0	2.3
September	0.3	0.0	2.2
October	0.5	0.0	2.2
November	0.6	0.1	3.9
December	1.2	0.3	4.9
Average	**1.0**	--	--

[1] Based on the average monthly flow at USGS Gage No. 02216180 Turnpike Creek near McRae, GA from February 6, 1985 – June 20, 2017. The drainage area ratio is 0.025.

Figure 3. Walker Street Site Predicted Average Daily Flow



	AVERAGE FLOW RATE												
	January	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**Septembe**	**October**	**November**	**December**	**Annual Average Flow**
1984							2.35	4.327895					3.3
1985		10.52174	12.58064516	4.141429	2.409375		4.8	20.91	7.487931	41.09333	85.5	119.2258	30.9
1986	54.25806	135.1071	63.38709677	6.866667		1.1475			0.325	0.1	7.78	108.0645	41.9
1987	271.4516	151.7143	162.0645161	30.28	10.27484	10.80385	40.05645	1.975909	5.763478		1.374	1.125806	62.4
1988	29.12258	64.24138	123.8387097	79.45667	12.57645	0.749	1.616	0.898889	14.26	3.164444	3.995667	5.022581	28.2
1989	5.180645	16.21429	51.87096774	42.81667	7.137083	51.9	57.57097	23.27419	2.891667	0.59	2.755789	57.997	26.7
1990	145.8065	108.9286	41.96774194	19.57067	0.25					21.01429	15.46667	29.62258	47.8
1991	232.1613	109.5	121.8064516	39.92333	44.3871	13.68533	31.02258	34.23419	2.40931			4.071071	63.3
1992	107.4806	189.5862	120.6451613	56.67667	48.71793	39.28667	13.27226	20.0484	32.758	51.10968	41.06	44.19355	63.7
1993	175.0645	76.85714	178.8064516	94.5	8.739032	1.53	1.086429	1.2575	0.66		3.960769	22.25806	51.3
1994	83.16129	130.3571	166.9354839	41.52667	10.5619	40.10208	73.93548	112.871	43.96667	152.7097	99.16667	114.6452	89.2
1995	114.1935	117.8571	66.5483871	31.25667	1.023333	69.76667	0.586364	7.861667	0.346667		5.432593	8.645161	38.5
1996	20.13548	46	137.9032258	55.23333	23.62227	1.0985				6.8975	2.222667	25.21613	35.4
1997	48.06452	179.8929	53.96774194	5.626667	24.62032	19.39667	5.778636	1.412222	30.1	39.4871	101.8667	239.7419	62.5
1998	208.6129	195.9643	140.7419355	132.8333	29.14194	0.3575			8.733929	7.878387	0.15	2.95	72.7
1999	34.70323	32.96429	16.26774194	3.321	0.28		11.58571	1.024615	5.6575	2.337778		2.90069	11.1
2000	19.97097	54.72414	71.93548387	40.53667	1.651818				1.205833	0.1	0.82	10.17484	22.3
2001	37.48387	25.10714	178.2258065	42.89333	0.715	13.29526	16.39409	0.475714					39.3
2002		0.42	16.31466667	13.72345	0.1			0.608	2.469	6.760455	56.553	63.73226	17.9
2003	47.20323	71.75714	130	84.36333	19.88032	55.44367	8.694516	19.97129	1.599286		0.711481	3.544194	40.3
2004	15.50097	88	19.63516129	1.67875	0.796667				141.1536	34.43548	22.226	39.46129	40.3
2005	30.60323	37.61786	108.9580645	108.7467	14.46097	11.09533	23.17677	17.02968	15.39063	0.15		14.58222	34.7
2006	70.57419	93.15	47.05806452	6.616296	3.032857								44.1
2007	22.49452	64.45	21.92419355	5.598		2.200667		0.3	0.2			7.228333	15.5
2008	19.08	100.1069	82.72903226	25.46567	5.99129	0.966		29.64737	1.542105	3.7125	4.100667	89.78065	33.0
2009	32.41935	17.70929	113.4677419	160.9367	47.907	9.125357	0.3	18.36065	10.10033	15.55194	25.01733	191.1419	53.5
2010	184.7806	135.6679	75.93548387	26.62067	68.88065	6.473667	1.374783	1.608889	0.406				55.7
2011	0.511667	24.52143	24.54483871	20.14552			9.717778	1.406					13.5
2012		0.481	18.55516129	1.138667		0.82375			2.15	0.593158	0.573333	2.450323	3.3
2013	2.677419	168.7025	128.3645161	57.70767	23.22129	37.57167	102.0265	54.17129	6.625	0.909667	13.29867	58.84839	54.5
2014	75.8	113.8286	104.916129	131.2133	32.58871	31.7	8				4.9875	44.63032	60.9
2015	80.01935	77.29286	59.48387097	49.08633	17.88387	14.28633	4.270323	0.265	0.1		43.52652	29.13548	34.1
2016	66.78065	98.56897	34.85645161	46.38	0.245556	0.418						8.324615	36.5
2017	47.16452	40.97857	16.75451613	12.945	5.903226	1.780333							20.9
Average	**76.1**	**84.2**	**82.2**	**44.8**	**16.1**	**17.4**	**19.9**	**16.3**	**13.5**	**20.5**	**23.6**	**48.2**	**40.8**
													38.6

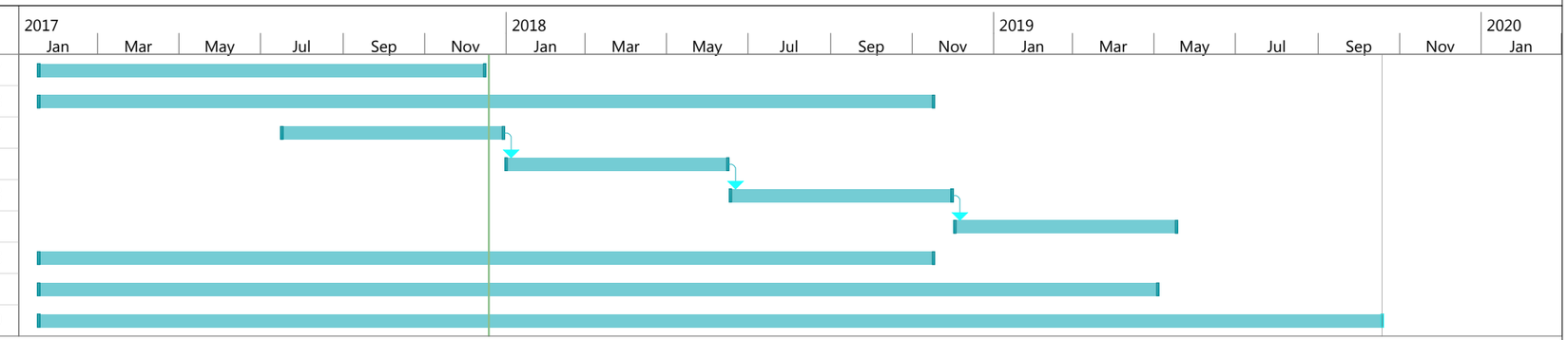
	MINIMUM FLOW RATE											
	January	February	March	April	May	June	July	August	September	October	November	December
1984							0.1	0.1	0.0000	0	0	0
1985	0	1	2	0.1	0.24	0	0.1	0.34	0.11	3.6	2	6
1986	4	11	3	0.12	0	0.5	0	0	0.1	0.1	0.1	8
1987	11	14	1	1.5	0.14	0.1	0.1	0.1	0.1	0	0.1	0.11
1988	1.3	2	4	6.4	0.12	0.1	0.1	0.1	1.2	0.1	0.44	1
1989	1	2.2	2	2.5	0.1	1	3.8	1	0.1	0.1	0.1	2.000
1990	1	7	2	0.13	0.1	0	0	0	0	0.7	3.7	1
1991	18	9	1	2	3	0.28	2	0.86	0.1	0	0	0.12
1992	2	15	6	2	0.1	1	0.14	0.1	0.69	1	4	3
1993	4	5	11	3	0.1	0.1	0.16	0.4	0.1	0	0.47	2
1994	2	9	5	1.3	0.1	0.45	1.4	3	1	12	4	1
1995	11	7	5	1	0.1	1	0.1	0.87	0.14	0	0.58	4
1996	1	3	3	2	0.19	0.1	0	0	0	0.13	0.11	2
1997	4	5	2	0.13	0.73	1.7	0.1	0.1	1	0.15	6	9
1998	1	17	14	4	0.14	0.1	0	0	0.72	0.12	0.1	1
1999	2	2	2	0.12	0.1	0	2	0.14	0.93	0.1	0	0.1
2000	1	3	5	1	0.1	0	0	0	0.1	0.1	0.11	0.1
2001	2	2	1	1.9	0.1	0.81	0.28	0.1	0	0	0	0
2002	0	0.1	1.2	0.2	0.1	0	0	0.23	0.1	0.11	2.88	2.9
2003	3.7	7.9	3	4	0.28	0.3	0.2	0.22	0.1	0	0.14	0.1
2004	1.46	7.1	1.4	0.1	0.1	0	0	0	0.11	3	1.1	9.2
2005	2.1	3.2	2.1	12	0.14	0.1	0.17	0.2	0.1	0.1	0	1.2
2006	5.7	7.6	2	0.1	0.1	0	0	0	0	0	0	0
2007	0.1	3.5	1	0.1	0	0.1	0	0.3	0.1	0	0	0.18
2008	2.9	3.1	2	1.1	0.22	0.1	0	0.16	0.1	0.24	0.1	4
2009	2.8	1.2	2.9	2	2	0.1	0.1	0.1	0.15	0.6	1.1	13
2010	14	1	4.6	1.6	2.79	0.27	0.1	0.2	0.1	0	0	0
2011	0.1	1.56	1.9	0.1	0	0	0.1	0.1	0	0	0	0
2012	0	0.1	0.3	0.1	0	0.1	0	0	1.9	0.1	0.12	0.2
2013	0.39	0.29	6.5	3.6	0.31	0.27	0.37	0.12	0.14	0.11	0.5	3.6
2014	3.8	5.1	4.9	4.9	1	2.1	1	0	0	0	4.24	3.82
2015	1	6.5	4.7	1.6	2.2	1.5	0.31	0.1	0.1	0	0.11	2.1
2016	4.7	1	4.2	0.28	0.1	0.13	0	0	0	0	0	1.7
2017	2.8	3.8	2.3	0.98	0.99	0.68						

	MAXIMUM FLOW RATE											
	January	February	March	April	May	June	July	August	September	October	November	December
1984							12	27	0.0000	0	0	0
1985	0	27	33	28	14	0	8.8	221	93	241	679	475
1986	135	695	266	24	0	1.9	0	0	0.9	0.1	47	328
1987	826	284	962	227	78	57	271	8.8	24	0	4.4	3.4
1988	131	389	563	516	63	2.3	9.6	3.1	81	26	11	11
1989	14	115	172	258	63	151	259	295	17	1.7	14	215.000
1990	799	242	175	96	0.6	0	0	0	0	55	94	96
1991	721	469	679	118	159	83	194	199	24	0	0	18
1992	473	663	391	299	979	274	89	95	412	325	193	172
1993	686	254	718	678	93	6.3	3.1	2.3	1.4	0	16	72
1994	415	323	889	163	66	282	492	683	254	933	957	556
1995	387	719	224	173	4	823	1.8	31	0.5	0	32	22
1996	73	135	587	239	277	5.6	0	0	0	71	6.3	79
1997	179	929	187	23	162	136	41	5.4	75	426	521	757
1998	684	936	555	674	177	0.85	0	0	69	43	0.2	4.5
1999	118	83	52	16	0.6	0	36	3.8	12	19	0	23
2000	132	214	269	344	6.5	0	0	0	3.9	0.1	2.4	68
2001	158	81	499	194	1.5	67	112	1.5	0	0	0	0
2002	0	1.64	51.6	68.2	0.1	0	0	0.99	13.4	17.8	273	353
2003	149	229	387	487	139	326	64.4	74.4	4.58	0	2.17	9.41
2004	114	298	57	5.37	2	0	0	0	647	185	126	152
2005	76.3	98.6	979	413	136	44.8	122	82.7	193	0.2	0	41.5
2006	341	542	164	38.3	13	0	0	0	0	0	0	0
2007	64.1	251	54.9	55.6	0	8.12	0	0.3	0.3	0	0	21.3
2008	97.5	495	491	183	67.6	5.54	0	166	6.35	18	91.8	553
2009	58.2	69.2	683	624	183	64.1	1.4	277	123	119	89.9	778
2010	958	384	321	196	537	28.5	5.51	5.2	1.3	0	0	0
2011	0.8	65.1	85.5	145	0	0	77.7	7.51	0	0	0	0
2012	0	1.5	115	4.16	0	3.3	0	0	2.4	3.51	0.9	14.3
2013	12.2	951	444	153	188	234	622	317	87.9	2.68	67.9	136
2014	212	674	369	695	243	74.4	24	0	0	0	6.33	263
2015	216	271	151	168	81.4	34.3	12.1	0.9	0.1	0	69.1	129
2016	224	452	135	345	0.9	0.8	0	0	0	0	0	21.5
2017	223	186	61.9	142	61.4	2.9						

Appendix J
Updated Project Milestone Schedule

Projected Milestone Schedule
Former GDOT Maintenance Facility Site

ID		Task Name	Duration	Start	Finish
1		Complete Horizontal	12 mons	Mon 1/16/17	Fri 12/15/17
2		Complete horizontal	24 mons	Mon 1/16/17	Fri 11/16/18
3		Submit 1st Semi-Annual	6 mons	Mon 7/17/17	Fri 12/29/17
4		Submit 2nd Semiannual	6 mons	Mon 1/1/18	Fri 6/15/18
5		Submit 3rd Semiannual	6 mons	Mon 6/18/18	Fri 11/30/18
6		Submit 4th Semiannual	6 mons	Mon 12/3/18	Fri 5/17/19
7		Environmental Covenant	24 mons	Mon 1/16/17	Fri 11/16/18
8		Corrective Action	30 mons	Mon 1/16/17	Fri 5/3/19
9		Final CSR	36 mons	Mon 1/16/17	Fri 10/18/19



Project: Milestone Schedule 1.1

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			

Appendix K
GDOT Property Deed
Parcel D011-220, Coffee County

7746

00330

OFFICE OF CLERK SUPERIOR COURT
COFFEE COUNTY, GEORGIA
Filed for Record at 12:00 P.M.
this 16 day of April, 2001
Recorded in Deed Book
No. 849 Page(s) 330-332
on 16 day of April, 2001
Clerk

After Recording, Return To:
Mr. Neal L. Conner, Jr.
Kopp and Conner, P.C.
1008 Plan Avenue
P.O. Box 1278
Waycross, GA 31502
File No. _____

pd.

STATE OF GEORGIA

COUNTY OF COFFEE

Department of Transportation
No. 2 Capital Square, Atlanta, GA 30334
Warranty Deed
Project No. Maintenance

THIS INDENTURE, made this the 12th day of April, 2001, between **LOTT PROPERTIES, LTD.** (the "Grantor"), and the **DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia** (the "Grantee");

WITNESSETH:

That the Grantor, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00) and other good and valuable considerations in hand paid at and before the sealing and delivery of these presents, the receipt of which is hereby acknowledged, has granted, bargained, sold and conveyed and by these presents does grant, bargain, sell and convey unto the Grantee, the Grantee's heirs and assigns, the following described property, to wit:

All that tract or parcel of land in the City of Douglas, County of Coffee, State of Georgia and lying and being in Land Lots 177, 178, 191 and 192 of the 6th Land District, Coffee County, State of Georgia, being more particularly described as follows:

Beginning at a point along the north right of way line of Walker Street having a 60' right of way at the intersection of the east right of way of a 20' alley that border the east right of way of the Southern Railroad having a 100' right of way, said point being the southwest corner of the property described herein.

From the Point of Beginning and running northwest along the east right of way of the 20' alley N 4° 27' 04" W for 701.06 feet along a curve having a radius of 2940.33 feet to a point on the boundary; thence continuing along the east right of way of said 20' alley N 1° 47' 49" E for 100.71 feet to a point on the boundary, thence N 88° 12' 09" W for 20.00 feet to a point on the boundary, said point being on the east right of way

COFFEE COUNTY, GEORGIA
Real Estate Transfer Tax
Paid $ Exempt
Date 4-16-2001
Clerk of Superior Court

RECORDED APRIL 16, 2001

of the Southern Railroad right of way, thence N 1° 47' 51" E for 510.29 feet along the east right of way line of said railroad right of way to a point on the boundary, thence S 72° 59' 36" E for 387.37 feet to a point on the boundary, thence S 14° 42' 36" E for 107.00 feet to a point on the boundary, thence S 50° 27' 36" E for 41.00 feet to a point on the boundary, thence S 88° 40' 36" E for 82.09 feet to a point on the boundary, thence S 0° 48' 28" W for 1062.00 feet to a point on the boundary, said point being on the north right of way line of Walker Street, thence S 89° 32' 04" W for 441.09 feet along the north right of way line of Walker Street to the Point of Beginning. Containing 13.83 acres more or less.

Said property is more particularly delineated upon a plat of survey entitled "Topographic & Boundary Survey for EMCON SOUTHEAST of the Former Georgia Department of Transportation Maintenance Headquarters" made by Statewide Surveying Company dated 9-3-94. Said survey being attached hereto as Exhibit A and incorporated herein by reference as a part of this description.

TO HAVE AND TO HOLD the said bargained premises, together with all and singular the rights, members and appurtenances thereof, to the same being, belonging or in anywise appertaining, to the only proper use, benefit and behoof of the Grantee, the Grantee's heirs and assigns, forever, in FEE SIMPLE.

And the Grantor will warrant and forever defend the right and title to the above described property unto the Grantee against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, the Grantor has hereunto signed and sealed this indenture, this the day and year first above written.

LOTT PROPERTIES, LTD., by and through its General Partner,

LOTT PROPERTIES, INC.

ATTEST:

Clinton L. Lott, III, Secretary

By: Francis M. Lott, Chairman

Signed, sealed and delivered on the 12th day of April, 2001 in the presence of:

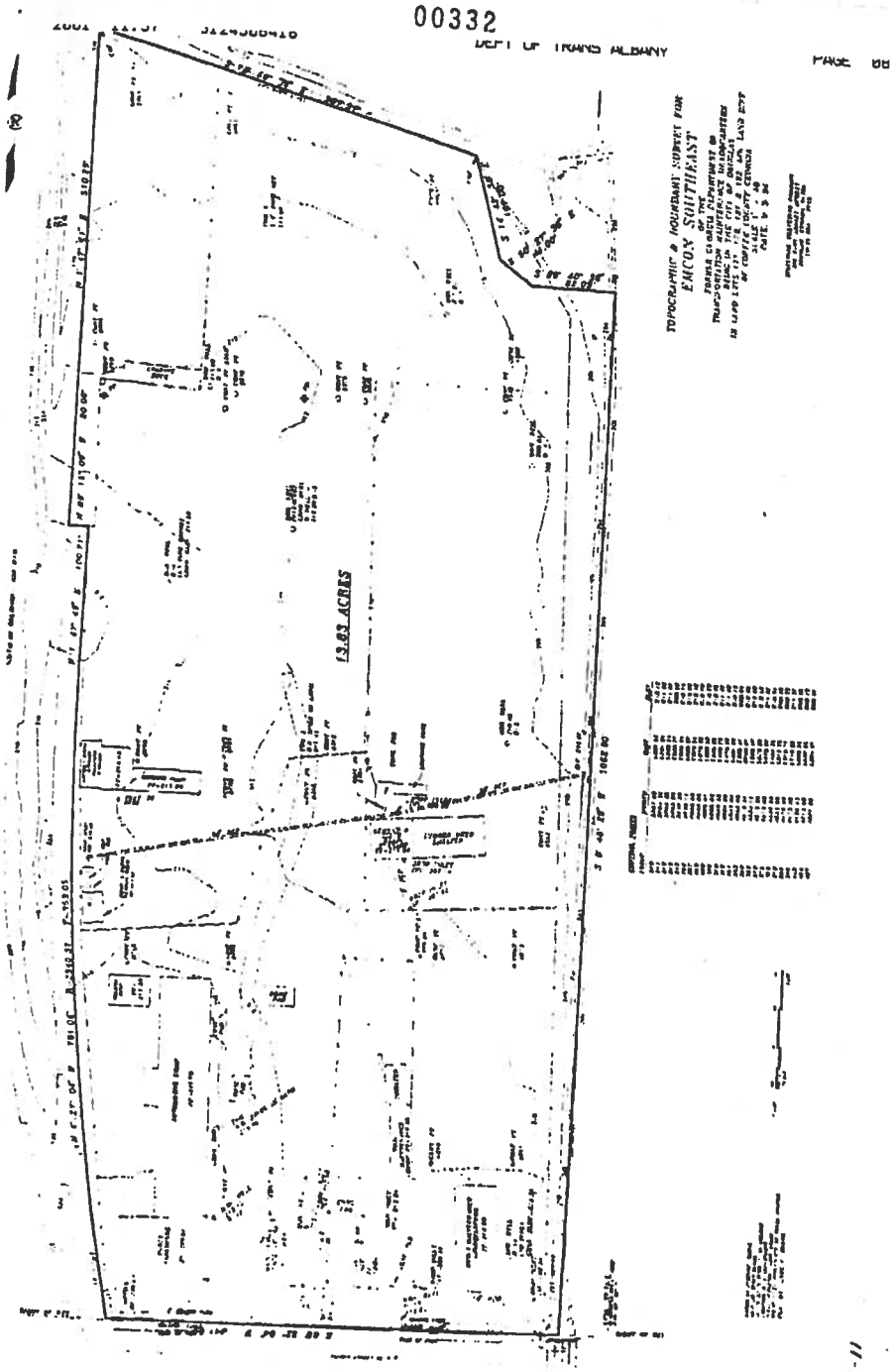
Amy S. English
Witness

Sandy W. Overstreet
Notary Public; My Commission Expires: 10-31-2002

SANDY W. OVERSTREET NOTARY PUBLIC COFFEE COUNTY GEORGIA My Commission Expires Oct. 31, 2002

RECORDED APRIL 16, 2001

Winifred M. Thompson CLERK

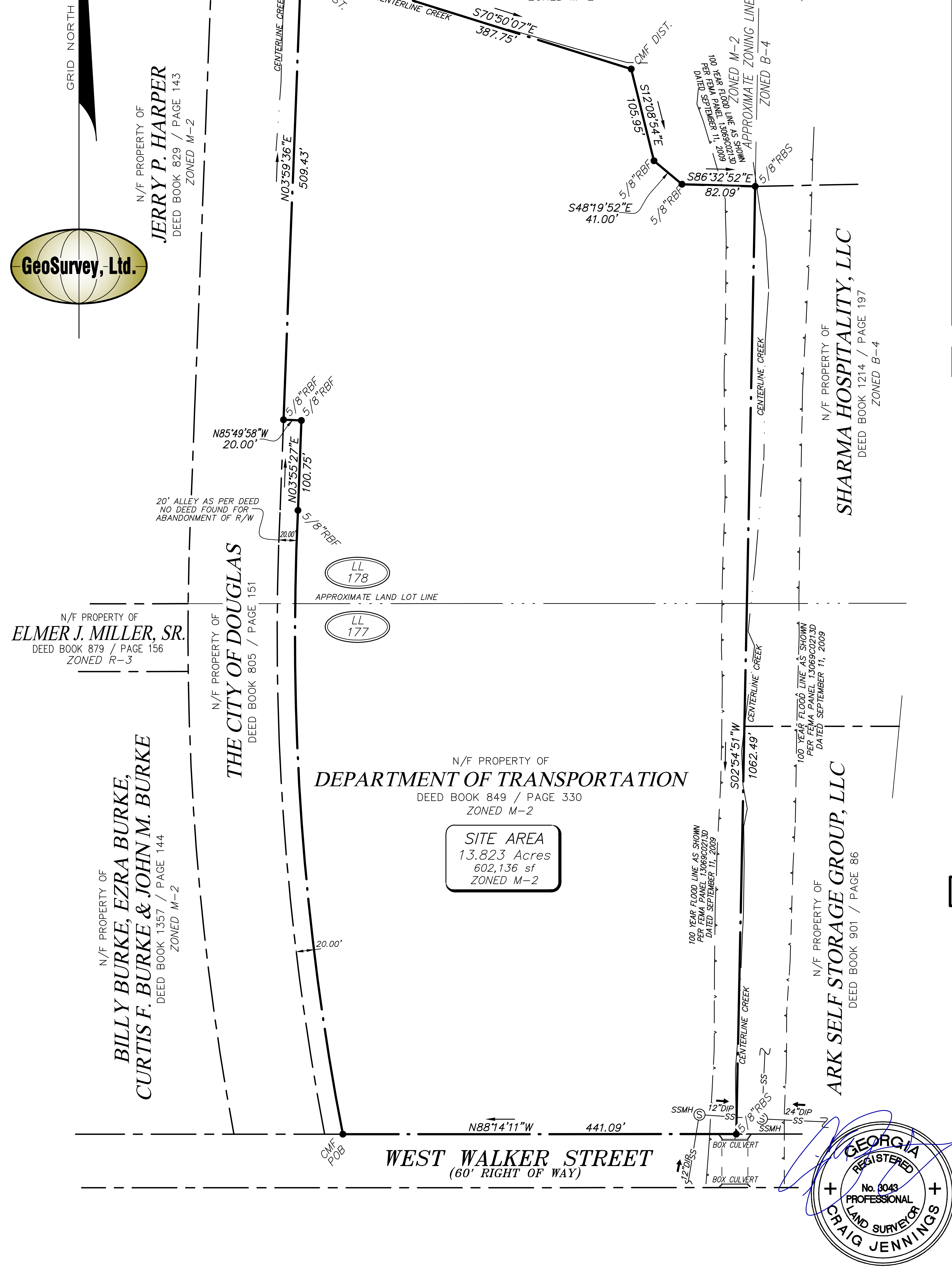


RECORDED APRIL 16, 2001 Winifred M. Thompson CLERK

LEGEND

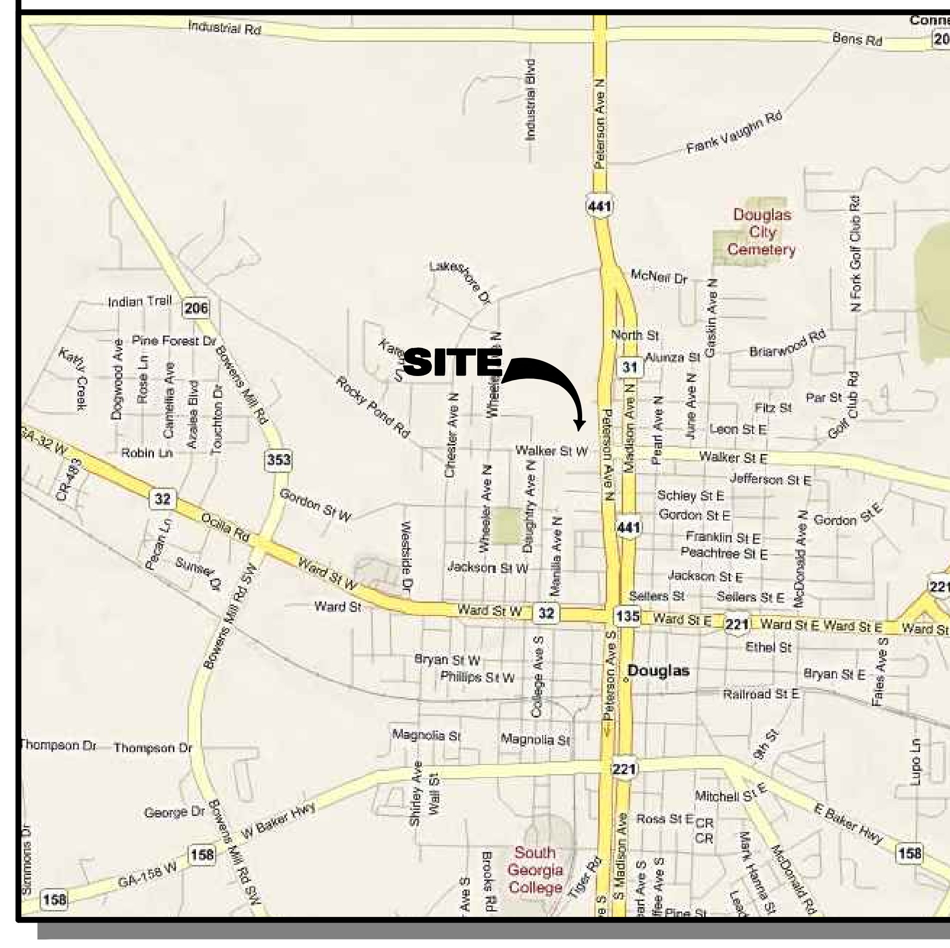
STANDARD ABBREVIATIONS

CMF	CONCRETE MONUMENT FND
CTP	CRIMPED TOP PIPE
FND	FOUND
OTP	OPEN TOP PIPE
POB	POINT OF BEGINNING
POC	POINT OF COMMENCING
RBF	REBAR FOUND
RBS	5/8"RBR SET



VICINITY MAP

SITE LOCATION – LATITUDE: 31° 31' 06" LONGITUDE: 82° 51' 13"



GENERAL NOTES

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON OR ENTITIES NAMED HEREON. NO EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE INFORMATION SHOWN HEREON IS TO BE EXTENDED TO ANY PERSONS OR ENTITIES OTHER THAN THOSE SHOWN HEREON.

A PORTION OF THIS PROPERTY IS LOCATED IN A 100 YEAR FLOOD HAZARD AREA BASED ON THE FLOOD INSURANCE RATE MAP FOR THIS AREA. THE MAP NUMBER FOR THIS AREA IS 13069C0213D, AND THE DATE OF SAID MAP IS SEPTEMBER 11. 2009. THIS DETERMINATION WAS MADE BY GRAPHICALLY DETERMINING THE POSITION OF THIS SITE ON SAID FIRM MAPS UNLESS OTHERWISE NOTED.

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD'83) FROM GPS OBSERVATIONS PERFORMED BY GEOSURVEY, LTD.

THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN DATUM OF 1988 (NAVD'88) FROM GPS OBSERVATIONS PERFORMED BY GEOSURVEY, LTD.

THE SITE IS ZONED "M-2" (INDUSTRIAL DISTRICT).
THE MINIMUM YARD SETBACKS ARE: FRONT – 10 FEET;
SIDE – 15 FEET (25 FEET FROM ADJACENT BLD); AND REAR – 25 FEET.

PLEASE NOTE: ZONING AND SETBACKS SHOULD BE CONFIRMED AND VERIFIED BY PLANNING AND ZONING PRIOR TO DESIGN OR CONSTRUCTION ACTIVITIES.

PLEASE NOTE: TREES (6"DBH AND LARGER) WERE LOCATED FOR THIS SURVEY.

SURVEY REFERENCES

1> SURVEY FOR LOTT PROPERTIES, LTD, DBA ARK SELF STORAGEPREPARED BY SOUTHERN SURVEYING ASSOCIATES, DATED DECEMBER 13, 2001.

2> SURVEY FOR GEORGIA, COFFEE COUNTY, DATED MAY 20, 1970 PREPARED BY FARRELL CAUSSON.

3> SURVEY FOR WAUNELL SIMS PREPARED BY CARLTON EVANS DATED JULY 6, 1972.

4> SURVEY FOR ELMER J. MILLER, SR. PREPARED BY M. RHETT ROYAL DATED AUGUST 16, 2001.

5> SURVEY FOR JERRY P. HARPER PREPARED BY M. RHETT ROYAL DATED NOVEMBER 6, 2000.

LEGAL DESCRIPTION

All that tract or parcel of land lying and being in Land Lots 177 and 178 of the 6th District, Coffee County, Georgia, and being more particularly described as follows:

Beginning at a point along the North right of way line of Walker Street having a 60 foot right of way at the intersection of the East right of way of a 20 foot alley that border East right of way of the Southern Railroad having a 100' right of way and thence leaving said right of way and run along a curve to the right having an arc length of 702.70 feet, with a radius of 2940.33 feet, being subtended by a chord bearing of North 02 degrees 20 minutes 32 seconds West, for a distance of 701.03 feet to a 5/8–inch rebar found; Thence North 03 degrees 55 minutes 27 seconds East a distance of 100.75 feet to a 5/8–inch rebar found; Thence North 85 degrees 49 minutes 58 seconds West a distance of 20.00 feet to a 5/8–inch rebar found; Thence North 03 degrees 59 minutes 36 seconds East a distance of 509.43 feet to a concrete monument found; Thence South 70 degrees 50 minutes 07 seconds East a distance of 387.75 feet to a concrete monument; Thence South 12 degrees 08 minutes 54 seconds East a distance of 105.95 feet to a 5/8–inch rebar found; Thence South 48 degrees 19 minutes 52 seconds East a distance of 41.00 feet to a 5/8–inch rebar found; Thence South 86 degrees 32 minutes 52 seconds East a distance of 82.09 feet to a 5/8–inch rebar set; Thence South 02 degrees 54 minutes 51 seconds West a distance of 1062.49 feet to a 5/8–inch rebar set; Thence North 88 degrees 14 minutes 11 seconds West a distance of 441.09 feet to a concrete monument found and the point of beginning.

Said tract or Parcel to contain 13.823 Acres

This survey has been prepared in conformity with The Technical Standards for Property Surveys in Georgia as set forth in Chapter 180–7 of the Rules of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in the Georgia Plat Act O.C.G.A. 15–6–67.

GRAPHIC SCALE

0 50 100 250 500

1"= 100'

IF YOU DIG

811 Know what's **below.** **Call** before you dig.
Dial 811
Or Call 800-282-7411

CLOSURE STATEMENT

THE FIELD CLOSURE UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 56,847 , AND WAS ADJUSTED USING THE LEAST SQUARES METHOD. A TOPCON 8005 ROBOTIC TOTAL STATION AND TDS RANGER DATA COLLECTOR WERE USED TO COLLECT THIS FIELD DATA.

THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND WAS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 150,749 FEET. CAJ INIT.

GeoSurvey, Ltd.

Land Surveying & Mapping

1660 Barnes Mill Road
Marietta, Georgia 30062

Phone: (770) 795–9900
Fax: (770) 795–8880

www.geosurvey.com
Certificate of Authorization LSF# 000621

PARCEL PLAT OF

Walker Street Department of Transportation Parcel

FOR

DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia

GS JOB NO: 20103877	DRAWING SCALE: 1"= 40'		SURVEY DATE: 04–01–2010
FIELD WORK: JG	CITY: DOUGLAS	STATE: GEORGIA	REVISIONS: No. Date Description
PROJ MGR: CAJ	COUNTY: COFFEE		
REVIEWED: TDT	LAND LOT: 177 & 178		
DWG FILE: 20103877.dwg	DISTRICT: 6th		