AECOM Environment

Prepared by:
AECOM
One Midtown Plaza
1360 Peachtree Street, Ste. 500
Atlanta, Georgia 30309
Phone: (678) 808-8800
AECOM Project No. 60440866

3rd Semiannual Voluntary Remediation Program Progress Report

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

January 31, 2019

213 Walker Street
Douglas, Coffee County
Georgia

AECOM Environment

Prepared by:
AECOM
One Midtown Plaza
1360 Peachtree Street, Ste. 500
Atlanta, Georgia 30309
Phone: (678) 808-8800
AECOM Project No. 60440866

3rd Semiannual Voluntary Remediation Program Progress Report

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

January 31, 2019

213 Walker Street
Douglas, Coffee County
Georgia

Prepared By: John-Paul Vigil, P.E.

Reviewed By: Felix Nchako, P.G.

Table of Contents

TABLE OF CONTENTS I
ACRONYMS AND ABBREVIATIONS III
1 INTRODUCTION 1
1.1 Background 1
1.2 Site Location and Description 1
1.3 Site History and Use 2
1.4 Adjacent Properties Information 2
1.5 Report Organization 2
2 ACTIVITIES PERFORMED DURING THIRD SEMIANNUAL PROGRESS PERIOD THROUGH THE END OF SEPTEMBER 2018 4
2.1 Site-wide Groundwater & ISCO Performance Monitoring on GDOT Property 4
2.1.1 ISCO Performance Monitoring Sampling – Seven Quarters Post Full-Scale Injection 4
2.1.2 ISCO Performance Monitoring Results 6
2.1.3 Site-wide Groundwater Sampling 6
2.1.4 Site-wide Groundwater Sampling Results 6
2.2 Eastern Drainage Ditch Average Annual Ditch Flow Conditions Evaluation 7
2.3 Eastern Drainage Ditch Surface Water Sampling 8
2.4 Surface Water Sampling Results 8
2.5 HSRA Risk Reduction Standards Update 8
3 PROJECT SCHEDULE AND UPDATE 9
3.1 Planned Actions for Next Reporting Period 9
3.1.1 ISCO Performance Monitoring – December 2018 & March 2019 Sampling Events 9
3.1.2 Fate and Transport Modeling 9
3.1.3 Uniform Environmental Covenant 9
3.1.4 Subdivided Lott Property Parcel 9
3.1.5 Eastern Drainage Ditch Average Annual Ditch Flow Conditions & Adjusted Analytical Results Evaluation 10
3.2 Professional Services Hours this Period 10
4 REFERENCES 11

List of Figures

Figure 1 Site Location Map
Figure 2 Properties/Parcels Comprising HSI #10025
Figure 3 Current Site Conditions and Monitoring Well Locations
Figure 4 Site Map - ISCO Remediation Program
Figure 5 Historical VOCs Analytical Results in Groundwater (April 1998 to December 2006)
Figure 6 VOC Analytical Results in Shallow and Intermediate Groundwater from June 2007 to September 2018

Figure 7 Historical SVOCs Analytical Results in Shallow Zone Groundwater (April 2004 to December 2006)
Figure 8 SVOCs Analytical Results in Shallow Zone Groundwater and Surface Water from June 2007 to September 2018
Figure 9 Historical SVOCs Analytical Results in Intermediate and Deep Zone Groundwater (April 2004 to December 2006)
Figure 10 SVOCs Analytical Results in Intermediate and Deep Zone Groundwater from June 2007 to September 2018
Figure 11 September 2018 Iso-Concentration Map for Naphthalene in Shallow Zone Groundwater
Figure 12 September 2018 Iso-Concentration Map for Naphthalene in Intermediate Zone Groundwater
Figure 13 September 2018 Iso-Concentration Map for Benzene in Shallow Zone Groundwater
Figure 14 September 2018 Iso-Concentration Map for Benzene in Intermediate Zone Groundwater
Figure 15 September 2018 – Shallow Water Table Elevation and Contour Map
Figure 16 September 2018 – Intermediate Water Table Elevation and Contour Map
Figure 17 September 2018 – Deep Zone Groundwater Elevation and Contour Map
Figure 18 Site Map – Cross-Section Locations
Figure 19 Geologic Cross-Section A-A'
Figure 20 Geologic Cross-Section B-B'
Figure 21 Proposed Lott Property Subdivided Parcel Boundary

List of Tables

Table 1 Well Construction Data and Historical Groundwater Elevations
Table 2 Breakdown of Analytical Parameters
Table 3 Historical Groundwater and Surface Water Detections of Site COCs – SVOC/PAHs
Table 4 Historical Groundwater Detections of Site COCs – VOCs
Table 5 Historical Groundwater Detections of Site COCs – Metals

Appendices

A GA EPD Correspondences and Responses
B Groundwater Sampling Log Sheets
C Trend Charts for Total SVOCs, Naphthalene, and Benzene in Groundwater at Performance Monitoring Well Locations
D Laboratory Analytical Data Reports
E Technical Memorandum: HSRA Risk Reduction Standards Update
F Updated Project Milestone Schedule

Acronyms and Abbreviations

µg/L	micrograms per liter
AES	Analytical Environmental Services
Bioscreen AT	BIOSCREEN Natural Attenuation Decision Support System
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
cfs	Cubic foot per second
CSM	Conceptual Site Model
ft	feet
ft/ft	Feet per foot
ft/s	Feet per second
ft^2	Square feet
ft^3/s	Cubic feet per second
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
ISWQS	In-Stream Water Quality Standard
mg/L	Milligrams per liter
MNA	Monitored Natural Attenuation
mS/cm	MilliSiemens per centimeter
NTU	Nephelometric Turbidity Unit
PAH	Polycyclic Aromatic Hydrocarbon
POE	Point of Exposure
RCRA	Resource Conservation and Recovery Act
RRS	Risk Reduction Standards
SIM	Selective Ion Monitoring
SU	Standard Unit
SVOC	Semi-Volatile Organic Compound
UEC	Uniform Environmental Covenant
US EPA	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 3rd Semiannual Voluntary Remediation Program (VRP) Progress Report is to discuss the current site conditions and any actions taken since the previous reporting period (March 2018) 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 (GA EPD). The Site is listed on the GA EPD's Hazardous Site Inventory (HSI) as Site No. 10025. Two off-site properties (Lott and Sharma Hospitality) are also sub-listed under the Hazardous Site Response Act (HSRA). However, the GDOT and Lott parcels are now regulated under the GA VRP. This report also describes the groundwater 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. The GA EPD approved the voluntary remediation plan, which specified corrective action consisting of the following:

- Certification to applicable 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 (UEC) 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 updated the VRP application to include the affected Lott property as a qualifying property under the Act. A third parcel owned by Sharma Hospitality is listed as part of HSI #10025 but is not included in the VRP Property.

1.2 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 HSI #10025 as associated with the Site.

1.3 Site History and Use

The Site was historically used since the 1950s to provide maintenance support to 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.

1.4 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 (ft) 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 ft southwest of the subject property.

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

1.5 Report Organization

This report presents the investigation and remedial status during the third semiannual reporting period of the Site since entering the VRP. Section 2 discusses activities completed during the second and third quarters of 2018, including a GDOT property ISCO corrective action performance monitoring event and an annual site-wide groundwater monitoring event, and a surface water investigation and flow assessment. Section 3 presents the project schedule, including planned upcoming activities at the Site, and the professional service hours for the current reporting period. Section 4 provides references.

Appendix A is reserved for correspondences with the GA EPD, including response to the GA EPD's review comments. No formal comments or correspondences have been received during this reporting period.

2 Activities Performed During Third Semiannual Progress Period through the End of September 2018

Between April 2018 and September 2018, activities performed at the Site have included two performance monitoring events, the annual site-wide groundwater and surface water monitoring events, and the gauging of the eastern drainage ditch, as discussed below.

2.1 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 Lott property area wells, wells located on the Sharma Property, the ISCO performance monitoring wells, and other GDOT property groundwater monitoring wells sampled on an annual basis. **Figure 3** illustrates the Site features and groundwater well locations.

2.1.1 ISCO Performance Monitoring Sampling – Seven Quarters Post Full-Scale Injection

A total of 13 designated groundwater monitoring wells were sampled during the June 2018 and September 2018 performance monitoring sampling events in order to assess the performance of the full-scale ISCO injection completed at the site in 2016.

Between March 17 and June 27, 2016, two ISCO injection events were conducted on the GDOT property to treat the elevated benzene, toluene, ethylbenzene, xylenes (BTEX) and polycyclic aromatic hydrocarbon (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 4** 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 February 2016 groundwater monitoring report (AECOM). 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 June 2018 and during the September 2018 site-wide sampling event.

During the groundwater sampling events completed during this reporting period, the wells were gauged to determine groundwater elevation. The well construction data and groundwater elevations to date are provided in **Table 1**. The wells were then 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 U.S. Environmental Protection Agency (US EPA) 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. 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 nephelometric turbidity units (NTUs)

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 B**. 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 kept on ice and delivered to Analytical Environmental Services, Inc. (AES) Laboratory in Atlanta, GA under chain-of-custody for analysis for BTEX via

Method 8260B, PAHs plus selective ion monitoring (SIM) via US EPA Method 8270C + SIM, and metals via SW6010D according to **Table 2**.

Due to a sampling coordination error, analysis on of metals was not conducted for the sample collected from MW-31I. The sample collected from GW-30I was instead, inadvertently analyzed for metals.

2.1.2 ISCO Performance Monitoring Results

Summary analytical results for the June 2018 and September 2018 performance monitoring wells are presented in **Tables 3**, **4**, and **5**. Historical results for volatile organic compounds (VOCs) are depicted on **Figures 5** and **6**, while historical results of semi-volatile organic compounds (SVOCs) are presented on **Figures 7** through **10**. **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 4**, which illustrates the pre-ISCO injection dissolved naphthalene groundwater plumes. Naphthalene and benzene were chosen as representative SVOC and VOC compounds, since they are the most mobile in groundwater. **Appendix C** presents trend graphs for the 13 performance monitoring wells. 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.

2.1.3 Site-wide Groundwater Sampling

As part of the annual site-wide groundwater sampling event, a total of 50 wells were sampled and analyzed in September 2018. Many of these wells have been previously discussed (Sections 2.1.1 and 2.1.2). Prior to sampling, all accessible Site wells were gauged to establish potentiometric surface maps of the shallow, intermediate, and deep groundwater zones.

Table 1 provides the well construction data and current groundwater elevations for the Site. **Table 2** provides the groundwater monitoring wells sampled and the laboratory analysis conducted. **Figure 3** 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 B** provides the groundwater sampling log sheets, including field parameter data.

2.1.4 Site-wide Groundwater Sampling Results

The analytical results of the September 2018 groundwater sampling event are summarized in **Tables 3**, **4**, and **5**. **Figures 5** through **10** present the historical and current detections of VOCs and SVOCs. **Figure 18** depicts the cross-section locations, while **Figures 19** and **20** depict geological cross-sections and historical SVOC results. The laboratory analytical data reports are provided in **Appendix D**. 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 on **Figures 11** and **12**, respectively. Similarly, iso-concentration maps for benzene in the shallow and intermediate

zone groundwater are presented on **Figures 13** and **14**, respectively. A review of historical iso-concentration figures demonstrates there is no migration of the impacted groundwater from the source area.

2.2 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 standing water is observed in the ditch during dry conditions, observable flow in the ditch is limited to during and after rain events. However, since the relevant in-stream water quality standards (ISWQS) are measured at average annual flow conditions, it is necessary to calculate or estimate an average flow ratecific to the eastern drainage ditch. As part of the 1st Semiannual VRP Progress Report, an assessment and calculation of flows based on an analysis of the watershed indicated that average flow conditions are approximately 1 cubic foot per second (cfs).

In order to assess the potential impact of Site groundwater on compliance with ISWQS in the ditch, an effort is underway to estimate average annual flow conditions. Two stream gauge data loggers were installed to monitor the changing depth of the surface water in the ditch. Cross-sectional measurements of the ditch and the elevation of the stream at the stream gauge locations were also performed in order to calculate the flow through the ditch. The stream gauges record the depth to water at regular intervals. Data from the data loggers is downloaded quarterly during groundwater sampling events, and will be used to compute the average groundwater flow. The flow of the steam is calculated with the known cross-sectional characteristics, the slope of the stream bed, and each recorded depth of water using the Manning equation as follows:

$$Q = VA = \left(\frac{1.49}{n}\right) AR^{2/3}\sqrt{S}$$

Where: Q = Flow Rate (ft^3/s)
V = Flow velocity (ft/s)
A = Flow Area / wetted cross-sectional area (ft^2), calculated using the cross-sectional measurements at the specific depth to water.
n = Manning's roughness coefficient (unitless), 0.8 was used.
R = Hydraulic radius (ft), a ratio of A and the wetted perimeter of the ditch.
S = Channel slope (ft/ft), calculated ratio of elevation difference and the elevation and distance between the two channel gauge locations.

After a year or more 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.

2.3 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 water sample locations are indicated on **Figure 3**. Surface water samples were collected in a decontaminated sampling container 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.

2.4 Surface Water Sampling Results

Current and historical surface water sample analytical results are presented as part of **Table 3**. Historical detections are also presented as part of **Figures 5** through **8**. The yet-to-be normalized results were compared to the Georgia ISWQSs for surface water.

During the September 2018 sampling event, analytical results indicated that surface water sample locations SW-2, SW-6, SW-7, and SW-8 exceeded the ISWQS for chrysene (above 0.0311 micrograms per liter [µg/L]). In addition, results of surface water sample location SW-6 exceeded the ISWQS for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene. 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.

2.5 HSRA Risk Reduction Standards Update

In accordance with modifications made to the Rule 391-3-19 (Rules for Hazardous Site Response), effective September 25, 2018, site specific groundwater RRS values were calculated for the residential (Type 2) and industrial (Type 4) scenarios. The updated site-specific RRS values are presented in **Appendix E**, along with a technical memorandum explaining the procedures used to calculate the values.

In future VRP Progress Reports, groundwater analytical results will be presented and compared to the least stringent value between the default RRS and the calculated site-specific RRS values for each analyte for both the residential and industrial scenarios. The Summary of Groundwater RRS table in **Appendix E** identifies these values that have been selected.

3 Project Schedule and Update

3.1 Planned Actions for Next Reporting Period

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

3.1.1 ISCO Performance Monitoring – December 2018 & March 2019 Sampling Events

In both December 2018 and March 2019, AECOM will conduct groundwater monitoring in order to monitor the performance of the ISCO treatment. After the March 2019 sampling event, ISCO performance monitoring sampling is proposed to occur semiannually, with the next monitoring in September 2019.

3.1.2 Fate and Transport Modeling

Although analytical results show that groundwater would not intercept a potential point of exposure (POE) located 1,000 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 point of exposure (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 groundwater in the location of the nearby stream.

3.1.3 Uniform Environmental Covenant

A draft UEC for the qualifying property restricting groundwater usage will be prepared and submitted with the 4th Semiannual VRP Progress Report.

3.1.4 Subdivided Lott Property Parcel

Based on the Site’s conceptual site model (CSM), a portion of the Lott Property will be subdivided and recorded with Coffee County. The approximate location of the proposed subdivided parcel is depicted on **Figure 21**.

3.1.5 Eastern Drainage Ditch Average Annual Ditch Flow Conditions & Adjusted Analytical Results Evaluation

It is currently anticipated that approximately one year's worth of data will be sufficient to calculate the average flow conditions in order to establish appropriate adjustments for analytical results from samples collected under flow conditions different from the annual average. Once an average annual flow rate for the ditch is estimated, results will be calculated for concentrations that would not cause an exceedance of the IWQS.

3.2 Professional Services Hours this Period

A total of approximately 50 hours were utilized by the professional geologist overseeing the VRP project. The approximate distribution of hours utilized for implementation of the Voluntary Investigation and Remediation Plan (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	March – October 2018	8	Discussions with project team about Lott Property access and scope of VIRP as a qualifying property
AECOM	May – September 2018	10	VIRP on Lott Property and performance monitoring of groundwater ISCO injection on GDOT property
AECOM	October – December 2017	32	Coordination of subdivision of Lott Property with surveyor; Technical Peer review of Draft VRP Progress Report
	Total Hours	**50**	

4 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.

AECOM, January 5, 2018. 1st Semiannual Voluntary Remediation Program Progress Report, Former Georgia Department of Transportation District 4 Maintenance Headquarters and Lott Lumber Property (HSI #10025).

AECOM, August 2018. 2nd Semiannual Voluntary Remediation Program Progress Report, Former Georgia Department of Transportation District 4 Maintenance Headquarters and Lott Lumber Property (HSI #10025).

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

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, HSI# 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."

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).

U.S. Environmental Protection Agency (US EPA), Region IV, Environmental Investigations: Standard Operating Procedures, and Quality Assurance Manual. November 2001.

US EPA, 1999. Use of Monitored Natural Attenuation at Superfund, Resource Conservation Recovery Act (RCRA) Corrective Action, and Underground Storage Tank Sites, OSWER Directive 9200.4-17P, Office of Solid Waste and Emergency Response Act.

URS Corporation (URS), November 2004. Compliance Status Report Addendum, Walker Street Site Maintenance Facility, Douglas, Coffee County, Georgia.

URS, January 2005. Corrective Action Plan, Walker Street Site, Douglas, GA.

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.

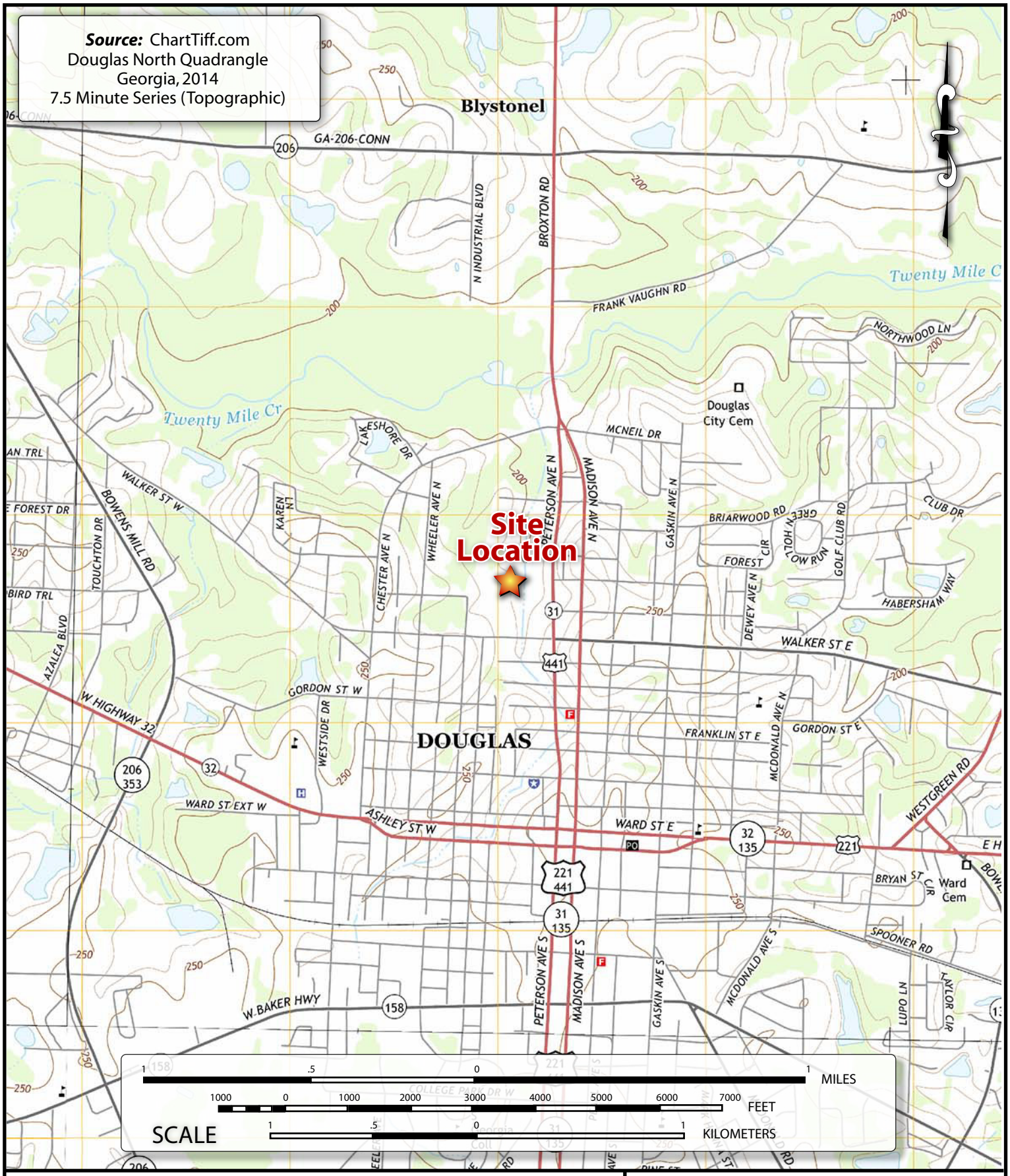
URS, March 2013. December 2012 Surface Water and Annual Groundwater Sampling Report, Walker Street Site Maintenance Facility, Douglas, Coffee County, Georgia.

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



CLIENT: Georgia Department of Transportation	TITLE: Site Location Map
PROJECT: Walker Street Site, Former GADOT Maintenance Facility	
DATE: December 2018	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:	5
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	AECOM	PROJ. NO.: 60440866
SCALE: Not to Scale	DRAWN BY: J. Gross		TASK: 5
FILE: H:\Proj\GDOT\WalkerSt\May2013\HSI 10025 Properties.ai	CHECKED BY: F. Nchako		FIGURE: 2

NOTE: Wells GW–28I, GW–41S, GW–42I, GW–43I, and GW–44I have not been surveyed, and therefore are approximate locations.

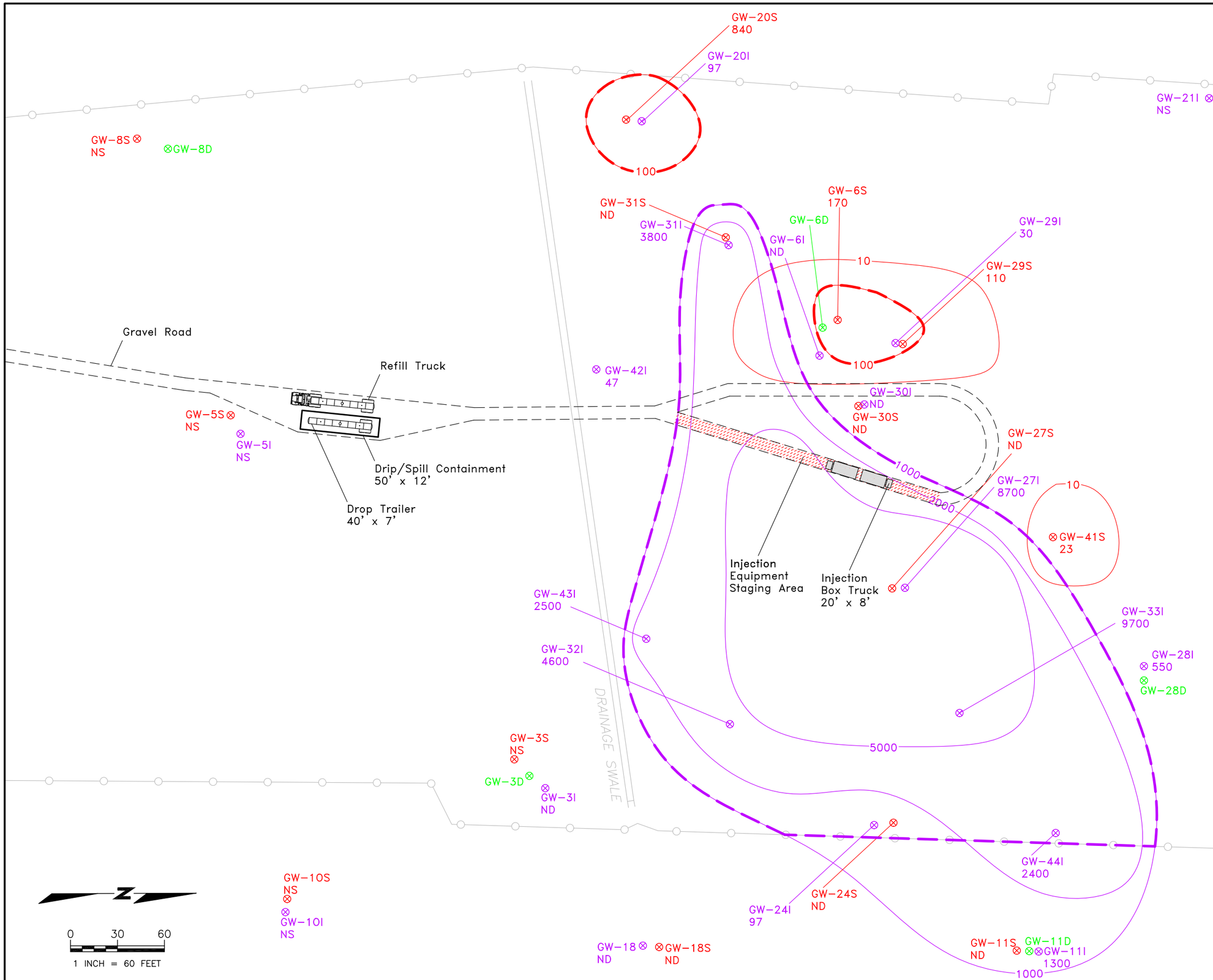
LEGEND

- GW–S = Groundwater Monitoring Well (Shallow Zone)
- GW–I = Groundwater Monitoring Well (Intermediate Zone)
- GW–D = Groundwater Monitoring Well (Deep Zone)
- SW–1 = Surface Water Sample Location

CLIENT:	Georgia Department of Transportation	TITLE:	Current Site Conditions and Monitoring Well Locations
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	November 2018	DESIGNED BY:	AECOM
SCALE:	As Shown	DRAWN BY:	J. Vantassell
FILE:	FIG 03, 04, 07, 08, 09, 10.DWG	CHECKED BY:	J.P. Vigil

AECOM

PROJ NO: 60440866
TASK: 5
FIGURE: 3



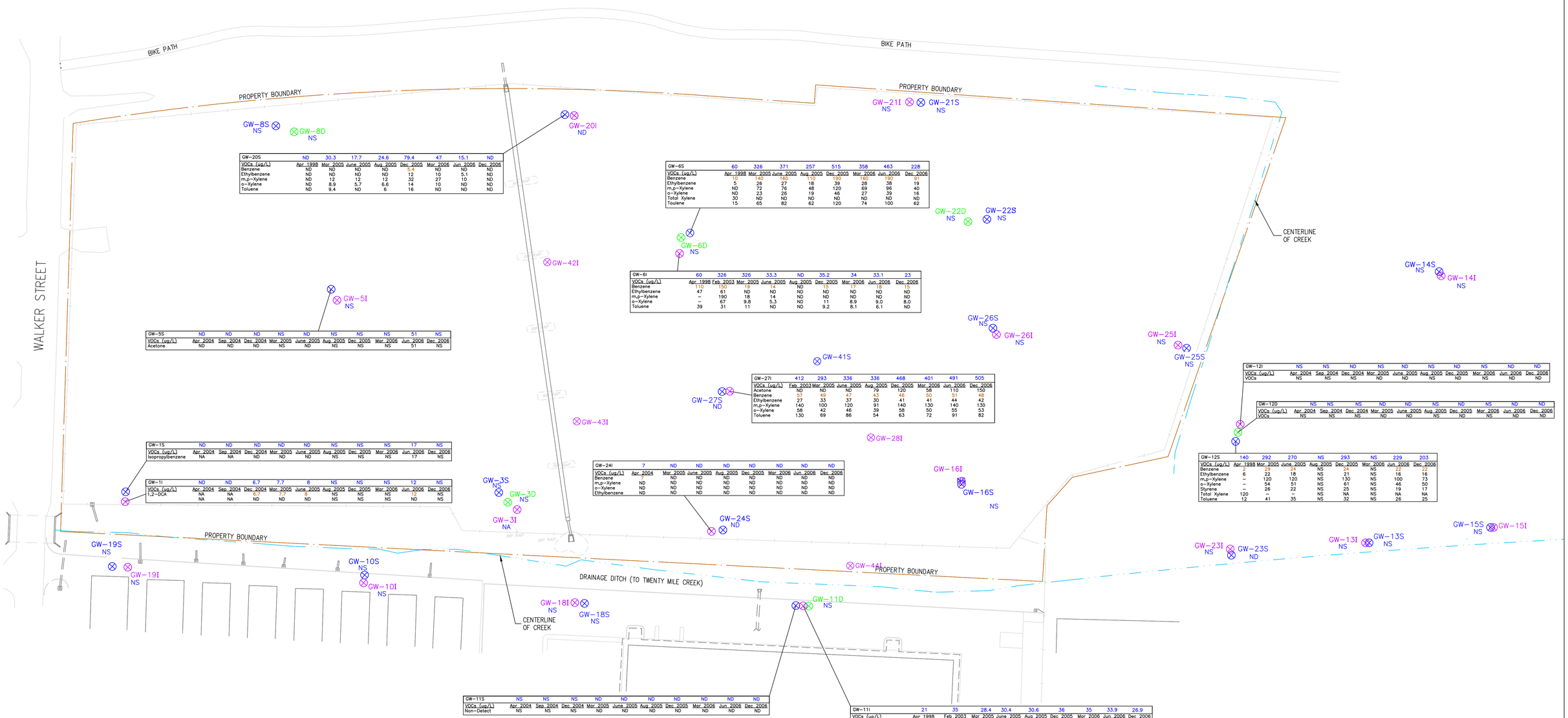
LEGEND

- 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 4
CHECKED BY: SH	PROJECT NO: 901114	



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-Xylene	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-Xylene	–	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 Xylene	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 VOC CONCENTRATION IN ug/L (ND considered 0)
- 20 ug/L = DETECTION ABOVE THE SCREENING VALUE
- ND = NON-DETECT
- NS = NOT SAMPLED

SCREENING VALUE (HSRA TABLE 1 APX III)

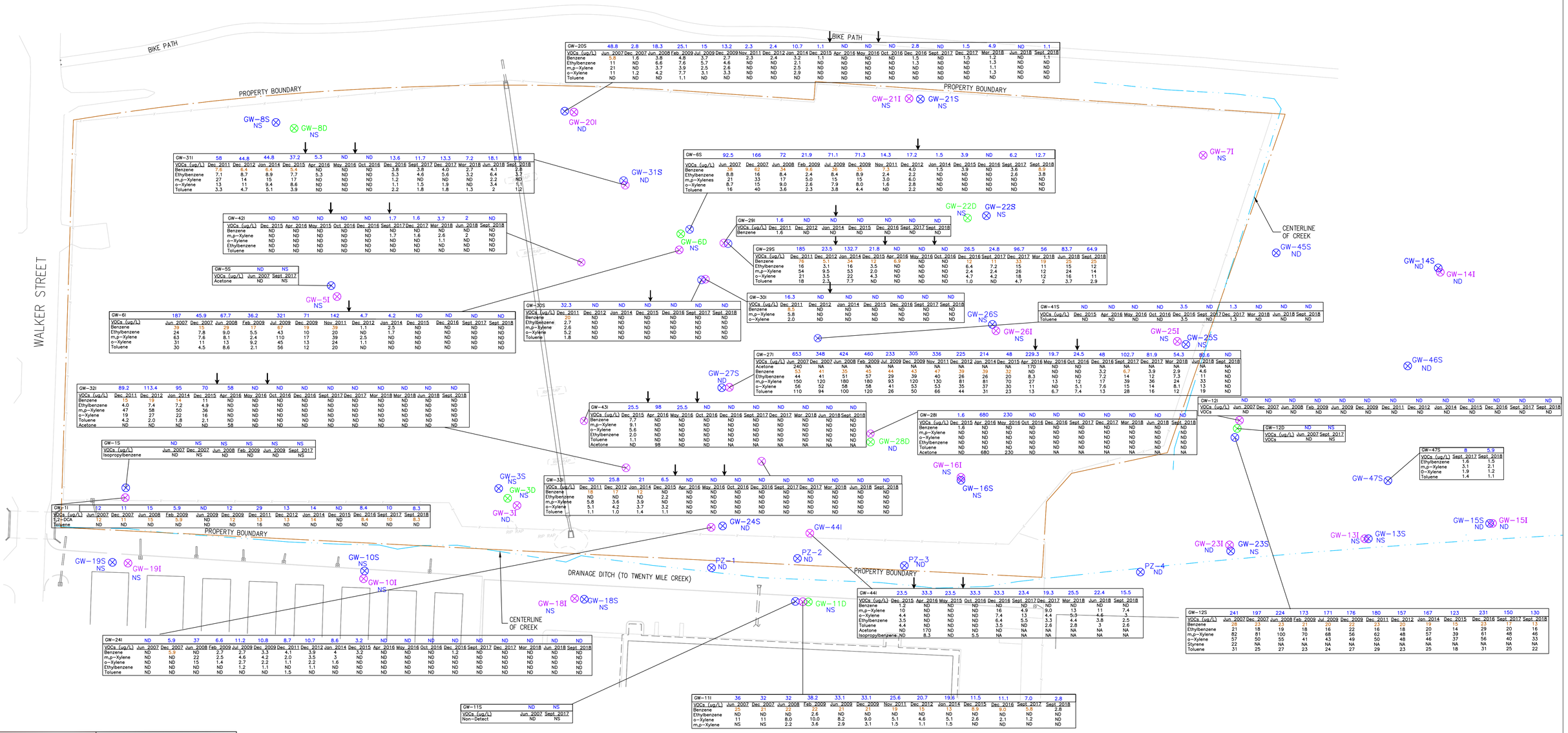
Compound (VOCs)		
Acetone	4,000	ug/L
Benzene	5	ug/L
Ethylbenzene	700	ug/L
Total Xylene	10,000	ug/L
Toluene	1,000	ug/L
1,2-DCA	5	ug/L

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: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: B.T.		TASK: 4
FILE:FIG 13-VOCs Concentrations1.dwg	CHECKED BY: J.P. Vigil		FIGURE: 5



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	1.5	4.9	ND	1.1
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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
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	1.5	1.2	ND	1.1
Ethylbenzene	11	ND	6.6	7.6	5.7	4.6	ND	ND	2.1	ND	ND	ND	ND	1.3	ND	ND	1.3	ND	ND
m,p-Xylene	21	ND	3.7	3.9	2.5	2.6	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	1.1	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	ND	1.3	ND	ND
Toluene	ND	ND	ND	1.1	ND	ND	ND	ND	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	13.3	7.2	18.1	8.8
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	7.8	6.4	6.4	5.4	ND	ND	ND	3.8	3.8	4.0	2.7	4.1	2.8
Ethylbenzene	7.1	8.7	8.9	7.7	5.3	ND	ND	5.3	4.6	5.6	3.2	6.4	3.7
m,p-Xylene	27	14	15	17	ND	ND	ND	1.2	ND	ND	ND	2.2	ND
o-Xylene	13	11	9.4	8.6	ND	ND	ND	1.1	1.5	1.9	ND	3.4	1.1
Toluene	3.3	4.7	5.1	3.9	ND	ND	ND	2.2	1.8	1.8	1.3	2	1.2

GW-6S	92.5	166	72	21.9	71.1	71.3	14.3	17.2	1.5	3.9	ND	6.2	12.7
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	Sept. 2018
Benzene	38	62	34	9.6	36	35	7.3	4.0	1.5	3.9	ND	3.6	8.9
Ethylbenzene	8.8	16	8.4	2.4	8.4	8.9	2.4	2.2	ND	ND	ND	2.6	3.8
m,p-Xylenes	21	33	17	5.0	15	15	3.0	6.0	ND	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	ND
Toluene	16	40	3.6	2.3	3.8	4.4	ND	2.2	ND	ND	ND	ND	ND

GW-42I	ND	ND	ND	ND	ND	1.7	1.6	3.7	2	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2015	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	1.7	1.6	2.6	2	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

GW-29I	1.6	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017	Sept. 2018
Benzene	1.6	ND	ND	ND	3.0	ND	ND

GW-29S	185	23.5	132.7	21.8	ND	ND	ND	26.5	24.8	96.7	56	83.7	64.9
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	76	5.1	34	12	6.9	ND	ND	12	11	33	19	29	22
Ethylbenzene	16	3.1	16	3.5	ND	ND	ND	6.4	7.2	15	11	15	12
m,p-Xylene	54	9.5	53	2.0	ND	ND	ND	2.4	2.4	26	12	24	14
o-Xylene	21	3.5	22	4.3	ND	ND	ND	4.7	4.2	18	12	16	11
Toluene	18	2.3	7.7	ND	ND	ND	ND	1.0	ND	4.7	2	3.7	2.9

GW-6I	187	45.9	67.7	36.2	321	71	142	4.7	4.2	ND	ND	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	Sept. 2018
Benzene	39	15	29	17	67	19	39	1.1	2.5	ND	ND	ND	ND
Ethylbenzene	24	7.8	9.0	5.5	43	10	20	ND	1.7	ND	ND	ND	ND
m,p-Xylene	63	7.6	8.1	2.4	110	17	39	2.5	ND	ND	ND	ND	ND
o-Xylene	31	11	13	9.2	45	13	24	1.1	ND	ND	ND	ND	ND
Toluene	30	4.5	8.6	2.1	56	12	20	ND	ND	ND	ND	ND	ND

GW-30S	32.3	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017	Sept. 2018
Benzene	20	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.7	ND	ND	ND	ND	ND	ND
m,p-Xylene	2.6	ND	ND	ND	ND	ND	ND
o-Xylene	5.2	ND	ND	ND	ND	ND	ND
Toluene	1.8	ND	ND	ND	ND	ND	ND

GW-30I	16.3	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017	Sept. 2018
Benzene	1.6	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.8	ND	ND	ND	ND	ND	ND
o-Xylene	2.0	ND	ND	ND	ND	ND	ND

GW-41S	ND	ND	ND	ND	3.5	ND	1.3	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Toluene	ND	ND	ND	ND	3.5	ND	1.3	ND	ND	ND

GW-27I	653	348	424	460	233	305	336	225	214	48	229.3	19.7	24.5	48	102.7	81.9	54.3	80.6	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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Acetone	240	NA	NA	NA	NA	NA	NA	NA	NA	NA	170	ND	ND	NA	NA	NA	NA	NA	NA
Benzene	53	41	35	45	44	43	47	39	39	32	ND	ND	ND	3.2	6.7	3.9	2.9	4.6	ND
Ethylbenzene	44	41	51	57	29	39	40	26	26	20	8.3	ND	ND	7.2	14	12	7.3	11	ND
m,p-Xylene	150	120	180	180	93	120	130	81	81	70	27	13	12	17	39	36	24	33	ND
o-Xylene	56	52	58	58	41	53	53	35	37	30	11	ND	5.1	7.6	15	14	8.1	13	ND
Toluene	110	94	100	120	26	50	66	44	31	23	13	6.7	7.4	13	28	16	12	19	ND

GW-12I	ND	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	Sept. 2018
VOCs	ND	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-43I	25.5	98	25.5	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	7.7	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	9.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	98	ND	ND	NA	NA	NA	NA	NA	NA

GW-28I	1.6	680	230	ND	ND	ND	ND	ND	ND	ND
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	680	230	ND	NA	NA	NA	NA	NA	NA

GW-47S	8	5.9
VOCs (ug/L)	Sept. 2017	Sept. 2018
Ethylbenzene	1.6	1.5
m,p-Xylene	3.1	2.1
O-Xylene	1.9	1.2
Toluene	1.4	1.1

GW-1S	ND	NS	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-33I	30	25.8	21	6.5	ND	ND	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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	16	11	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	5.8	3.6	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5.1	4.2	3.7	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.1	1.0	1.4	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-32I	89.2	113.4	95	70	58	ND	ND	ND	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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	15	18	14	11	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	4.0	7.4	7.2	4.9	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	47	58	50	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	19	27	22	16	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	4.2	2.0	1.8	2.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	58	ND	ND	ND	ND	ND	ND	ND	ND

GW-11	12	11	15	5.9	ND	12	29	13	14	ND	8.4	10	8.3
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	Sept. 2018
1,2-DCA	12	11	15	5.9	ND	12	13	13	14	ND	8.4	10	8.3
Toluene	ND	ND	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

GW-44I	23.5	33.3	23.5	33.3	33.3	23.4	19.3	25.5	22.4	15.5
VOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2015	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylene	10	ND	ND	ND	16	4.9	9.0	13	11	7.4
o-Xylene	4.4	ND	ND	ND	7.4	1.3	4.4	5.3	4.6	3
Ethylbenzene	3.5	ND	ND	ND	6.4	5.5	3.3	4.4	3.8	2.5
Toluene	4.4	ND	ND	ND	3.5	ND	2.6	2.8	3	2.6
Acetone	ND	170	ND	ND	ND	NA	NA	NA	NA	NA
Isopropylbenzene	ND	8.3	ND	5.5	NA	NA	NA	NA	NA	NA

GW-12S	241	197	224	173	171	176	180	157	167	123	231	150	130
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	Sept. 2018
Benzene	28	23	23	21	20	22	23	20	19	15	23	17	13
Ethylbenzene	21	18	19	18	16	22	16	18	20	14	29	20	16
m,p-Xylene	82	81	100	70	68	56	62	48	57	39	61	48	46
o-Xylene	57	50	55	41	43	49	50	48	46	37	56	40	33
Styrene	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	31	25	27	23	24	27	29	23	25	18	31	25	22

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	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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Benzene	ND	5.9	ND	2.7	2.7	3.3	4.1	3.9	4	3.2	ND	ND	ND	1.2	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	22	2.5	4.6	4.2	2.0	3.5	3	ND	ND	ND	ND	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	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	1.2	1.1	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	2.8
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	Sept. 2018
Benzene	25	21	22	22	21	21	18	15	13	8.9	9.0	5.8	2.8
Ethylbenzene	ND	ND	ND	2.6	ND	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	ND
m,p-Xylene	NS	NS	2.2	3.6	2.9	3.1	1.5	1.1	1.5	ND	ND	ND	ND

LEGEND

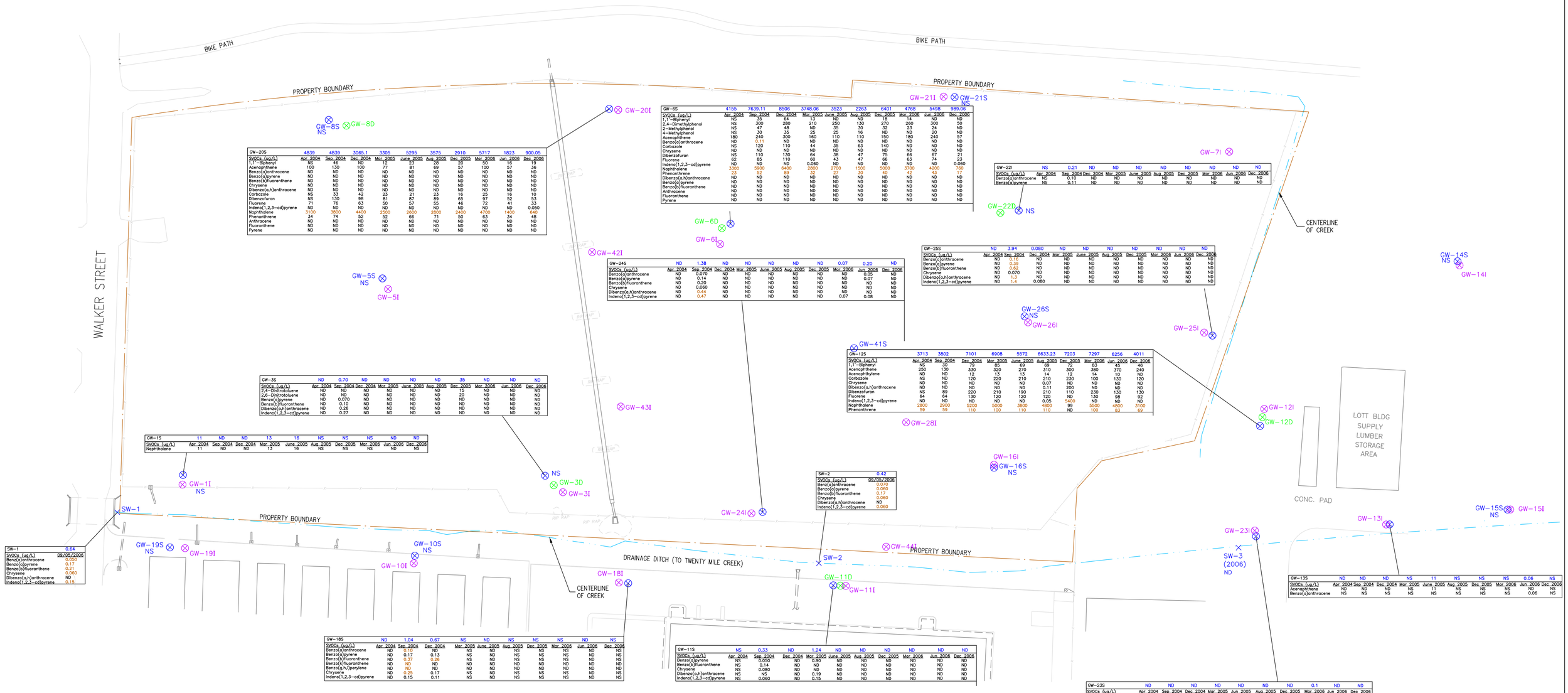
- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 6.1 = CONCENTRATION IN ug/L
- 401 = TOTAL VOC CONCENTRATION IN ug/L (ND considered 0)
- 20 ug/L = DETECTION ABOVE THE SCREENING VALUE
- ND = NON-DETECT
- NS = NOT SAMPLED
- NA = NOT ANALYZED FOR BTEX AND/OR VOCs
- ↓ = LOCATION WHERE GROUNDWATER WAS TREATED USING MODIFIED FENTON'S REAGENT

SCREENING VALUE (HSRA TABLE 1 APX III)

Compound (VOCs)		
Acetone	4,000	ug/L
Benzene	5	ug/L
Ethylbenzene	700	ug/L
Total Xylene	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 Shallow and Intermediate Groundwater From June 2007 to September 2018	
PROJECT: Walker Street Site, Former GADOT Maintenance Facility			
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 13-VOCs Concentrations1.dwg	CHECKED BY:		FIGURE: 6



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
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	989.08
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	13	ND	ND	18	14	ND	ND
2,4-Dimethylphenol	NS	300	280	210	250	130	270	260	300	50
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	760
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-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

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	0.62	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

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-1	0.64
SVOCs (ug/L)	09/05/2006
Benz(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

SW-2	0.42
SVOCs (ug/L)	09/05/2006
Benz(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

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	50	79	85	69	69	72	83	45	46
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	220	100	130	120
Chrysene	ND	ND	ND	ND	ND	0.07	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

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

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	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	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

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

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

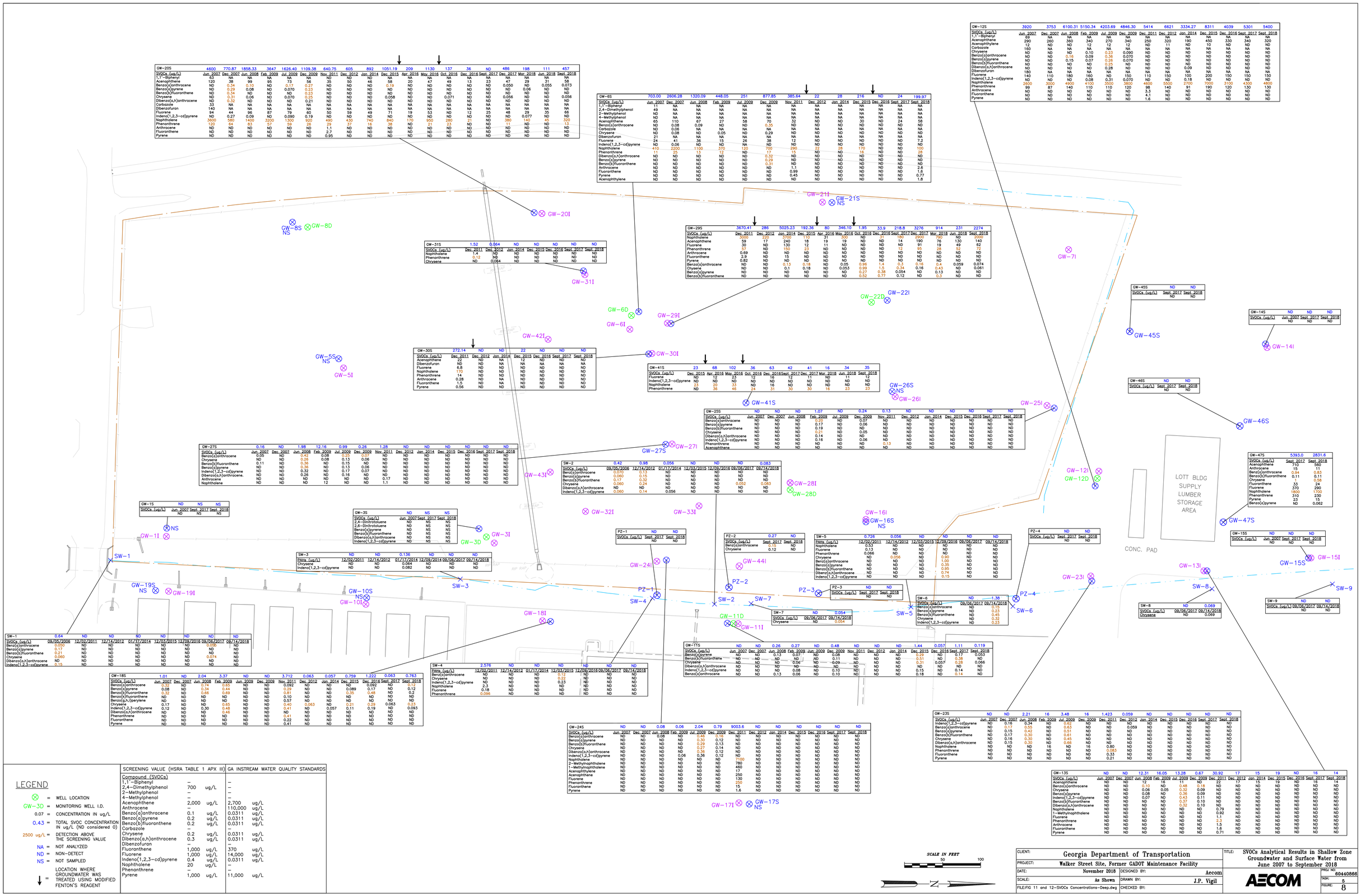
LEGEND

- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.43 = TOTAL SVOC CONCENTRATION IN ug/L (ND considered 0)
- 2500 ug/L = DETECTION ABOVE THE SCREENING VALUE
- ND = NON-DETECT
- NS = NOT SAMPLED

	SCREENING VALUE (HSRA TABLE 1 APX III)		GA INSTREAM WATER QUALITY STANDARDS	
Compound (SVOCs)				
1,1'-Biphenyl	–		–	
2,4-Dimethylphenol	700	ug/L	–	
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	MDL		–	
Pyrene	1,000	ug/L	11,000	ug/L

SCALE IN FEET
0 50 100

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			PROJ NO: 60440866
DATE: November 2018	DESIGNED BY: AECOM	AECOM	TASK: 5
SCALE: As Shown	DRAWN BY: B.T		FIGURE: 7
FILE:FIG 11 and 12-SVOCs Concentrations-Deep.dwg	CHECKED BY: J.P. Vigil		



GW-20S	4600	770.87	1858.33	3647	1626.40	1109.38	640.75	605	892	1051.19	209	1130	137	36	ND	486	198	111	457
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	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
1,1-Biphenyl	63	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	120	38	99	95	73	56	35	50	46	58	20	47	49	13	23	47	29	31	58
Benzo(a)anthracene	ND	0.34	0.10	ND	0.17	0.27	ND	ND	ND	0.19	ND	ND	ND	ND	ND	0.050	ND	0.055	0.073
Benzo(a)pyrene	ND	0.29	0.08	ND	0.070	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND
Benzo(b)fluoranthene	ND	0.34	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.31	0.06	ND	0.070	0.25	ND	ND	ND	0.058	ND	ND	0.071	ND	ND	0.056	ND	ND	0.056
Dibenzo(a,h)anthracene	ND	0.32	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	3.3	NA	NA	NA	NA	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	NA	NA	NA	NA
Fluorene	94	44	96	87	79	60	50	59	49	71	19	53	ND	12	25	48	29	35	66
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	ND	0.077	ND	ND
Naphthalene	3600	580	1400	3200	1300	920	490	430	740	840	170	950	280	21	ND	380	140	45	320
Phenanthrene	120	64	83	57	59	26	29	37	16	38	ND	21	23	ND	ND	11	ND	ND	13
Anthracene	ND	ND	ND	ND	ND	ND	1.1	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	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.95	ND	ND	ND	ND	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	216	ND	24	199.97
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	Sept. 2018
1,1-Biphenyl	11	NA	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	NA
2-Methylphenol	ND	NA	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	NA
Acenaphthene	65	110	67	27	58	70	32	ND	ND	30	ND	24	58
Benzo(a)anthracene	ND	0.08	0.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	0.06	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	ND	0.08	ND	0.05	ND	0.29	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	24	41	36	15	26	38	12	ND	ND	ND	ND	ND	7.2
Indeno(1,2,3-cd)pyrene	ND	0.06	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	410	2200	1100	370	120	700	290	22	28	170	ND	ND	100
Phenanthrene	11	25	13	12	ND	17	15	ND	ND	16	ND	ND	28
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	2.6
Fluoranthene	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND	1.6
Pyrene	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND	0.77
Acenophthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8

GW-12S	3920	3753	6100.31	5150.34	4203.69	4846.30	5414	6621	3334.27	8311	4039	5301	5400
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	Sept. 2018
1,1-Biphenyl	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	290	260	360	340	270	340	250	320	190	450	330	340	320
Acenaphthylene	12	ND	ND	12	12	12	ND	11	ND	10	ND	ND	ND
Carbazole	160	NA	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	ND
Benzo(a)anthracene	ND	ND	0.16	0.09	0.36	0.070	ND	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	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.28	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	0.28	ND	ND	ND	0.09	ND	ND	ND	ND
Fluorene	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	140	110	180	160	ND	150	110	150	100	200	150	150	150
Naphthalene	ND	ND	460	400	0.31	0.070	460	150	0.18	200	150	150	150
Phenanthrene	290	380	460	410	400	340	460	500	270	700	310	330	400
Anthracene	ND	ND	140	110	110	120	98	140	91	190	120	130	130
Fluoranthene	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND	ND
							1.6	ND	ND	ND	ND	ND	ND

GW-31S	1.52	0.064	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017	Sept. 2018
Naphthalene	1.4	ND	ND	ND	ND	ND	ND
Phenanthrene	0.12	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.064	ND	ND	ND	ND	ND

GW-29S	3670.41	286	5025.23	192.36	80	346.10	1.95	33.9	218.8	3276	914	231	2274
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Naphthalene	3000	220	3100	110	31	320	ND	31	160	2900	700	ND	2000
Acenophthene	59	17	240	18	19	19	ND	ND	14	190	76	130	140
Fluorene	30	ND	130	12	11	ND	ND	ND	ND	91	19	49	62
Phenanthrene	37	ND	150	23	ND	ND	ND	ND	12	95	28	52	72
Anthracene	0.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2.9	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	0.13	0.18	ND	0.05	0.96	1.4	0.4	0.16	0.4	0.059	0.074
Chrysene	ND	ND	0.1	0.18	ND	0.053	0.99	1.5	0.34	0.16	0.43	ND	0.061
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	0.27	0.38	0.054	ND	0.13	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.52	0.77	0.12	ND	0.3	ND	ND

GW-45S	ND	ND
SVOCs (ug/L)	Sept. 2017	Sept. 2018
	ND	ND

GW-14S	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Sept. 2017	Sept. 2018
	ND	ND	ND

GW-30S	272.14	ND	ND	22	ND	ND	ND
SVOCs (ug/L)	Dec. 2011	Dec. 2012	Jan. 2014	Dec. 2015	Dec. 2016	Sept. 2017	Sept. 2018
Acenophthene	22	ND	NA	12	ND	ND	ND
Dibenzofuran	ND	ND	NA	NA	NA	NA	NA
Fluorene	6.8	ND	ND	ND	ND	ND	ND
Naphthalene	170	ND	ND	ND	ND	ND	ND
Phenanthrene	14	ND	ND	ND	ND	ND	ND
Anthracene	0.28	ND	NA	ND	ND	ND	ND
Fluoranthene	1.5	ND	NA	ND	ND	ND	ND
Pyrene	0.56	ND	ND	ND	ND	ND	ND

GW-41S	23	68	102	36	63	42	41	16	34	35
SVOCs (ug/L)	Dec. 2015	Apr. 2016	May. 2016	Oct. 2016	Dec. 2016	Sept. 2017	Dec. 2017	Mar. 2018	Jun. 2018	Sept. 2018
Fluorene	ND	12	23	12	16	12	11	ND	11	12
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	53	20	33	ND	16	ND	ND	ND	ND	ND
Phenanthrene	ND	36	46	24	31	30	30	16	23	23

GW-25S	ND	ND	ND	1.07	ND	0.24	0.13	ND	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	Sept. 2018
Benzo(a)anthracene	ND	ND	ND	0.20	ND	0.07	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	0.17	ND	0.06	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	0.19	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	0.21	ND	0.05	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	0.14	ND	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	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

GW-27S	0.16	ND	1.98	12.16	0.99	0.26	1.28	ND	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	Sept. 2018
Benzo(a)anthracene	0.05	ND	0.42	0.08	0.25	0.07	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.26	0.08	0.13	0.06	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.11	ND	0.36	ND	0.15	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.30	ND	0.13	0.06	ND	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	ND
Dibenz(a,h)anthracene.	ND	ND	0.26	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	24	ND	12	ND	1.1	ND	ND	ND	ND	ND	ND

GW-2	0.42	0.98	0.056	ND	ND	ND	0.083
SVOCs (ug/L)	09/05/2006	12/14/2012	01/17/2014	12/03/2015	12/09/2016	09/06/2017	09/14/2018
Benz(a)anthracene	0.070	0.13	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.060	0.15	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.17	0.32	ND	ND	ND	ND	ND
Chrysene	0.060	0.24	ND	ND	ND	0.052	0.083
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.060	0.14	0.056	ND	ND	ND	ND

GW-475	5393.0	2831.6
SVOCs (ug/L)	Sept. 2017	Sept. 2018
Acenophthene	710	560
Anthracene	15	11
Benz(a)anthracene	0.94	0.83
Benzo(b)fluoranthene	0.11	0.11
Chrysene	1	0.58
Fluoranthene	33	24
Fluorene	370	290
Naphthalene	1800	1700
Phenanthrene	310	230
Pyrene	23	15
Benzo(a)pyrene	ND	0.062

GW-1S	ND	NS	NS
SVOCs (ug/L)	Jun. 2007	Sept. 2017	Sept. 2018
	ND	NS	NS

GW-3S	ND	NS	NS
SVOCs (ug/L)	Jun. 2007	Sept. 2017	Sept. 2018
2,4-Dinitrotoluene	ND	NS	NS
2,6-Dinitrotoluene	ND	NS	NS
Benzo(a)pyrene	ND	NS	NS
Benzo(b)fluoranthene	ND	NS	NS
Dibenzo(a,h)anthracene	ND	NS	NS
Indeno(1,2,3-cd)pyrene	ND	NS	NS

GW-3	ND	ND	0.136	ND	ND	ND
PAHs (ug/L)	12/02/2011	12/14/2012	01/17/2014	12/09/2014	09/06/2017	09/14/2018
Chrysene	ND	ND	0.084	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	0.082	ND	ND	ND

PZ-1	ND	ND
SVOCs (ug/L)	Sept. 2017	Sept. 2018
	ND	ND

PZ-2	0.27	ND
SVOCs (ug/L)	Sept. 2017	Sept. 2018
Benz(a)anthracene	0.11	ND
Chrysene	0.12	ND

SW-5	0.726	0.056	ND	ND	ND	ND
PAHs (ug/L)	12/02/2011	12/14/2012	12/03/2015	12/09/2016	09/06/2017	09/14/2018
Naphthalene	0.53	ND	ND	ND	ND	ND
Fluorene	0.13	ND	ND	ND	ND	ND
Phenanthrene	0.056	ND	ND	ND	ND	ND
Chrysene	ND	0.056	ND	0.090	ND	ND
Benz(a)anthracene	ND	ND	ND	0.60	ND	ND
Benzo(a)pyrene	ND	ND	ND	0.35	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	0.95	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	0.74	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.15	ND	ND

PZ-4	ND	ND
SVOCs (ug/L)	Sept. 2017	Sept. 2018
	ND	ND

GW-15S	ND	ND	ND
SVOCs (ug/L)	Jun. 2007	Sept. 2017	Sept. 2018
	ND	ND	ND

PZ-3	ND	ND
SVOCs (ug/L)	Sept. 2017	Sept. 2018
	ND	ND

SW-6	ND	1.38
SVOCs (ug/L)	09/06/2017	09/14/2018
Benz(a)anthracene	ND	0.15
Benzo(a)pyrene	ND	0.23
Benzo(b)fluoranthene	ND	0.45
Chrysene	ND	0.32
Indeno(1,2,3-cd)pyrene	ND	0.23

SW-8	ND	0.069
SVOCs (ug/L)	09/06/2017	09/14/2018
Chrysene	ND	0.069

SW-9	ND	ND
SVOCs (ug/L)	09/06/2017	09/14/2018
	ND	ND

SW-7	ND	0.054
SVOCs (ug/L)	09/06/2017	09/14/2018
Chrysene	ND	0.054

SW-1	0.64	ND	ND	ND	ND	ND	ND	ND
SVOCs (ug/L)	09/05/2006	12/02/2011	12/15/2012	01/17/2014	12/03/2015	12/09/2016	09/06/2017	09/14/2018
Benz(a)anthracene	0.050	ND	ND	ND	ND	ND	0.005	ND
Benzo(a)pyrene	0.17	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.21	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.060	ND	ND	ND	ND	ND	0.074	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	0.15	ND	ND	ND	ND	ND	ND	ND

GW-11S	ND	ND	0.26	0.27	ND	0.48	ND	ND	ND	1.44	0.057	1.11	0.119
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	Sept. 2018
Benzo(a)anthracene	ND	ND	0.13	0.07	ND	0.08	ND	ND	ND	0.22	ND	0.17	0.053
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.11	ND	ND	ND	0.51	ND	0.36	ND
Chrysene	ND	ND	ND	0.06	ND	0.09	ND	ND	ND	0.31	0.057	0.28	0.066
Dibenzo(a,h)anthracene	ND	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	ND
Benzo(a)anthracene	ND	ND	0.13	0.06	ND	0.10	ND	ND	ND	0.18	ND	0.14	ND

SW-4	2.576	ND	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	09/14/2018
Benz(a)anthracene	ND	ND	ND	0.12	ND	ND	ND
Chrysene	ND	ND	ND	0.22	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	0.23	ND	ND	ND
Naphthalene	2.3	ND	ND	ND	ND	ND	ND
Fluorene	0.18	ND	ND	ND	ND	ND	ND
Phenanthrene	0.096	ND	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	0.763
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	Sept. 2018
Benzo(a)anthracene	0.32	ND	0.74	0.65	ND	ND	0.092	ND	ND	ND	0.092	ND	0.12
Benzo(a)pyrene	0.08	ND	0.34	0.44	ND	ND	0.29	ND	ND	0.089	0.17	ND	0.12
Benzo(b)fluoranthene	0.32	ND	0.66	0.69	ND	ND	0.81	ND	ND	0.35	0.48	ND	0.2
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	0.57	ND	ND	ND	ND	ND	ND
Chrysene	0.17	ND	0.40	0.65	ND	ND	0.40	0.063	ND	0.21	0.29	0.063	0.23
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	0.093
Dibenzo(a,h)anthracene	ND	ND	ND	0.46	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.22	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.41	ND	ND	ND	ND	ND	ND

GW-24S	ND	ND	0.08	0.06	2.04	0.79	9003.6	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	Sept. 2018
Benzo(a)anthracene	ND	ND	0.08	ND	0.46	0.18	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	0.30	0.12	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.29	0.13	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	0.27	0.14	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.36	0.12	ND	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	ND
Naphthalene	ND	ND	ND	ND	ND	ND	7100	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	780	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	460	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	130	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	250	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND

GW-23S	ND	ND	2.21	16	3.48	16	1.423	0.059	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	Sept. 2018
Indeno(1,2,3-cd)pyrene	ND	0.16	0.34	ND	0.62	ND	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	ND
Benzo(a)pyrene	ND	0.15	0.42	ND	0.51	ND	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	ND
Chrysene	ND	0.16	0.30	ND	0.45	ND	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	ND
Naphthalene	ND	ND	ND	16	ND	16	0.80	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	0.063	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND

GW-13S	ND	ND	12.31	16.05	13.28	0.67	30.92	17	15	19	ND	16	14
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	Sept. 2018
Acenophthene	ND	ND	12	16	11	ND	22	17	15	19	ND	16	14
Benzo(a)anthracene	ND	ND	0.10	ND	0.48	0.18	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.06	0.05	0.32	0.09	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.08	ND	0.36	0.09	ND	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	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.37	0.10	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.32	0.10	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	0.79	ND	ND	ND	ND	ND	ND	ND
1-Methylnaphthalene	ND	ND	ND	ND	ND	0.92	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	0.71	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 (ND considered 0)
- 2500 ug/L = DETECTION ABOVE THE SCREENING VALUE
- NA = NOT ANALYZED
- ND = NON-DETECT
- NS = NOT SAMPLED
- ↓ = LOCATION WHERE GROUNDWATER WAS TREATED USING MODIFIED FENTON'S REAGENT

SCREENING VALUE (HSRA TABLE 1 APX III)			GA INSTREAM WATER QUALITY STANDARDS	
Compound (SVOCs)				
1,1-Biphenyl	–		–	
2,4-Dimethylphenol	700	ug/L	–	

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
Acenaphthene	NS	ND	ND	ND	ND	ND	13	ND	10	11
Dibenzo(a,h)anthracene	NS	0.14	ND	0.16	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

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
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
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	0.28	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

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
Acenaphthene	230	470	400	200	310	350	400	440	380	450
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
Indeno(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
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

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

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
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
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
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
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

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
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

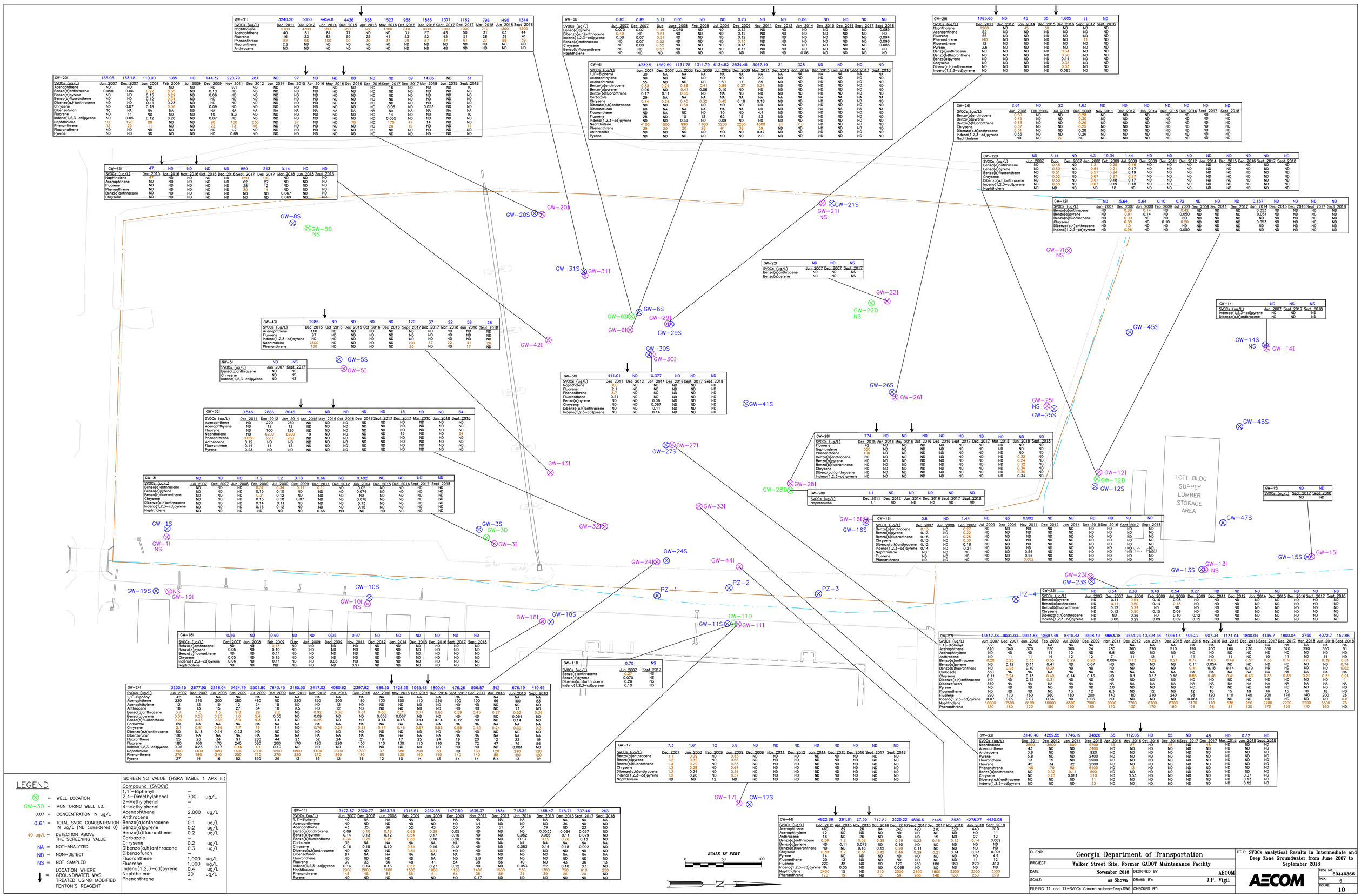
- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.61 = TOTAL SVOC CONCENTRATION IN ug/L (ND considered 0)
- 49 ug/L = DETECTION ABOVE THE SCREENING VALUE
- ND = NON-DETECT
- NS = NOT SAMPLED

SCREENING VALUE (HSRA TABLE 1 APX III)

Compound (SVOCs)		
1,1'-Biphenyl	–	
2,4-Dimethylphenol	700	ug/L
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	–	

SCALE IN FEET
0 50 100

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: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: B.T.		TASK: 5
FILE: FIG 11 and 12-SVOCs Concentrations-Deep.dwg	CHECKED BY: J.P. Vigil		FIGURE: 9



LEGEND

- ⊗ = WELL LOCATION
- GW-3D = MONITORING WELL I.D.
- 0.07 = CONCENTRATION IN ug/L
- 0.61 = TOTAL SVOC CONCENTRATION IN ug/L (ND considered 0)
- 49 ug/L = DETECTION ABOVE THE SCREENING VALUE
- NA = NOT-ANALYZED
- ND = NON-DETECT
- NS = NOT SAMPLED
- ↓ = LOCATION WHERE GROUNDWATER WAS TREATED USING MODIFIED FENTON'S REAGENT

SCREENING VALUE (HSRA TABLE 1 APX III)		
Compound (SVOCs)		
1,1'-Biphenyl	–	
2,4-Dimethylphenol	700	ug/L
2-Methylphenol	–	
4-Methylphenol	–	
Acenaphthene	2,000	ug/L
Anthracene	–	
Benz(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
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility
DATE:	November 2018
DESIGNED BY:	AECOM
SCALE:	As Shown
DRAWN BY:	J.P. Vigil
FILE/FIG 11 and 12-SVOCs Concentrations-Deep.DWG	CHECKED BY:

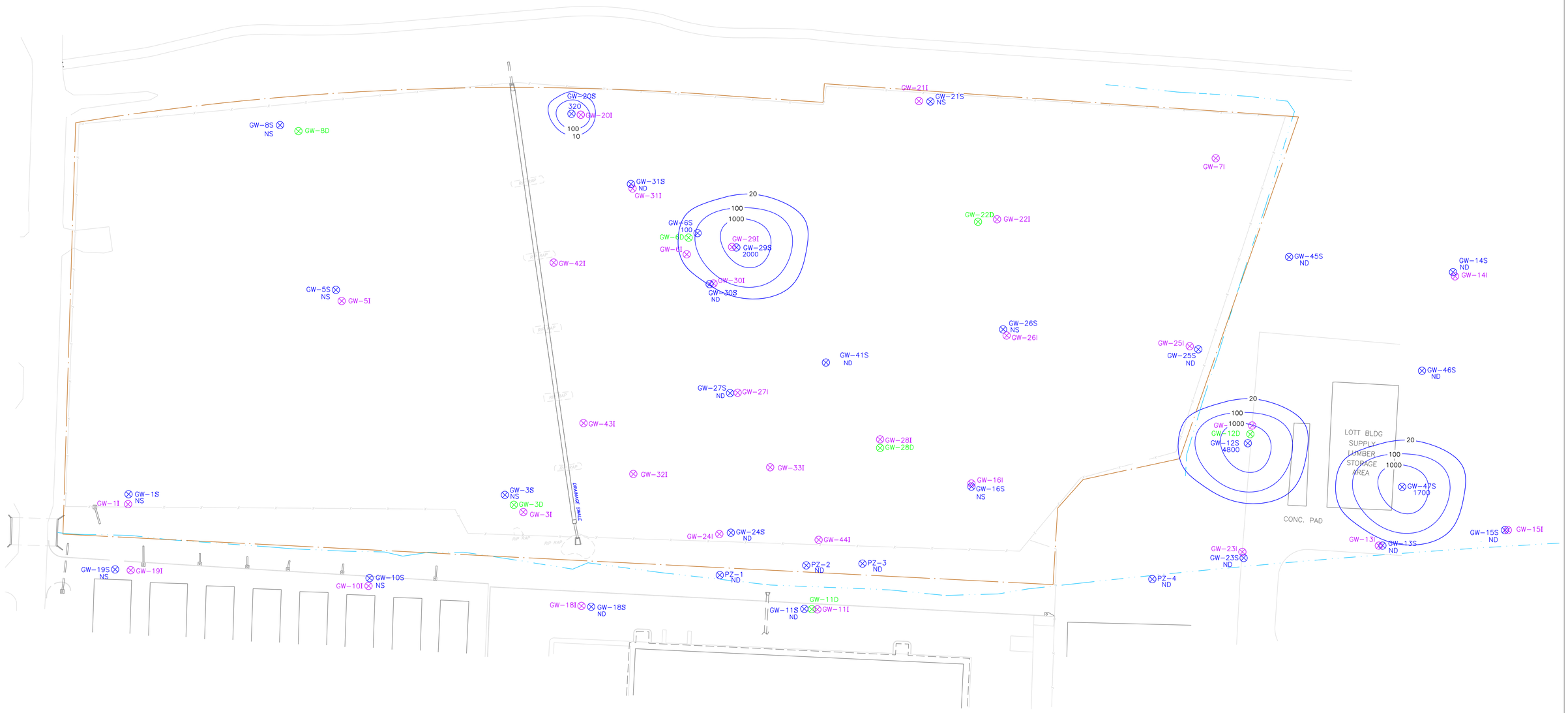
TITLE: SVOCs Analytical Results in Intermediate and Deep Zone Groundwater from June 2007 to September 2018

AECOM

PROJ NO: 60440866

TASK: 5

FIGURE: 10



LEGEND

GW-3D	=	MONITORING WELL I.D.
⊗	=	WELL LOCATION
	=	NAPHTHALENE ISOCONCENTRATION CONTOUR > 20 ug/L (MAY BE INFERRED FROM HISTORICAL RESULTS)
24	=	CONCENTRATION IN ug/L
ND	=	NON DETECT
NS	=	NOT SAMPLED

SCALE IN FEET
50 100

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 Iso-concentration Map for Naphthalene in Shallow Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 14, 15, 16, 17.DWG	CHECKED BY: T. Herold		FIGURE: 11

LEGEND

GW-3D	=	MONITORING WELL I.D.
⊗	=	WELL LOCATION
	=	NAPHTHALENE ISOCONCENTRATION CONTOURS >20 ug/L (MAY BE INFERRED FROM PREVIOUS RESULTS)
24	=	CONCENTRATION IN ug/L
ND	=	NON DETECT
NS	=	NOT SAMPLED

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 Iso-concentration Map for Naphthalene in Intermediate Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 14, 15, 16, 17.DWG	CHECKED BY: T. Herold		FIGURE: 12

LEGEND

GW-3D	=	MONITORING WELL I.D.
⊗	=	WELL LOCATION
	=	BENZENE ISOCONCENTRATION CONTOUR >5ug/L (MAY BE INFERRED FROM PREVIOUS RESULTS)
24	=	CONCENTRATION IN ug/L
ND	=	NON DETECT
NS	=	NOT SAMPLED OR ANALYZED

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 Iso-concentration Map for Benzene in Shallow Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	November 2018	DESIGNED BY:	AECOM
SCALE:	As Shown	DRAWN BY:	J.P. Vigil
FILE:	FIG 14, 15, 16, 17.DWG	CHECKED BY:	T. Herold

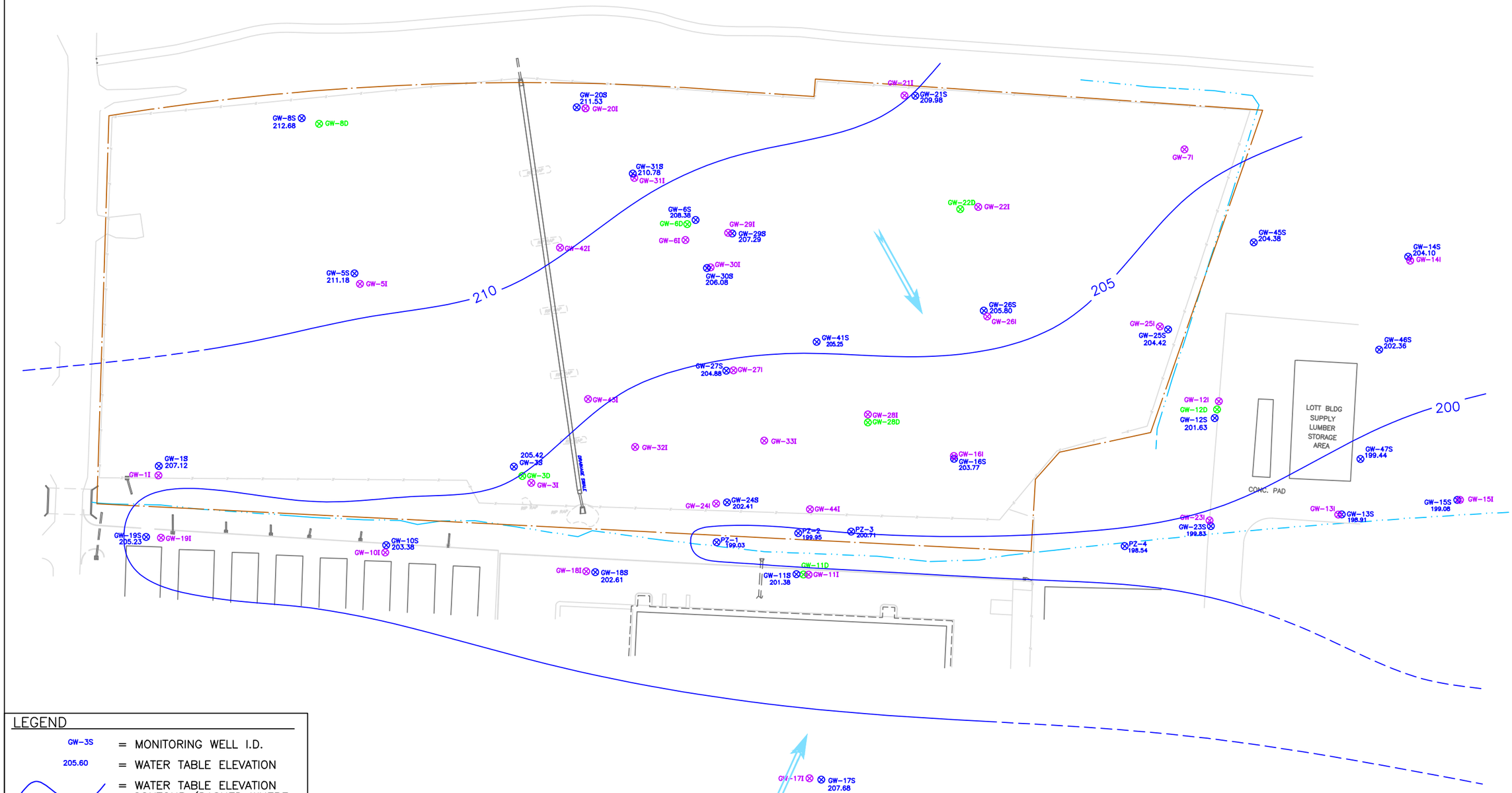
AECOM

PROJ NO: 60440866
TASK: 5
FIGURE: 13

LEGEND

GW-3D	=	MONITORING WELL I.D.
⊗	=	WELL LOCATION
	=	BENZENE ISOCONCENTRATION CONTOUR >5ug/L (MAY BE INFERRED FROM PREVIOUS RESULTS)
24	=	CONCENTRATION IN ug/L
ND	=	NON DETECT
NS	=	NOT SAMPLED

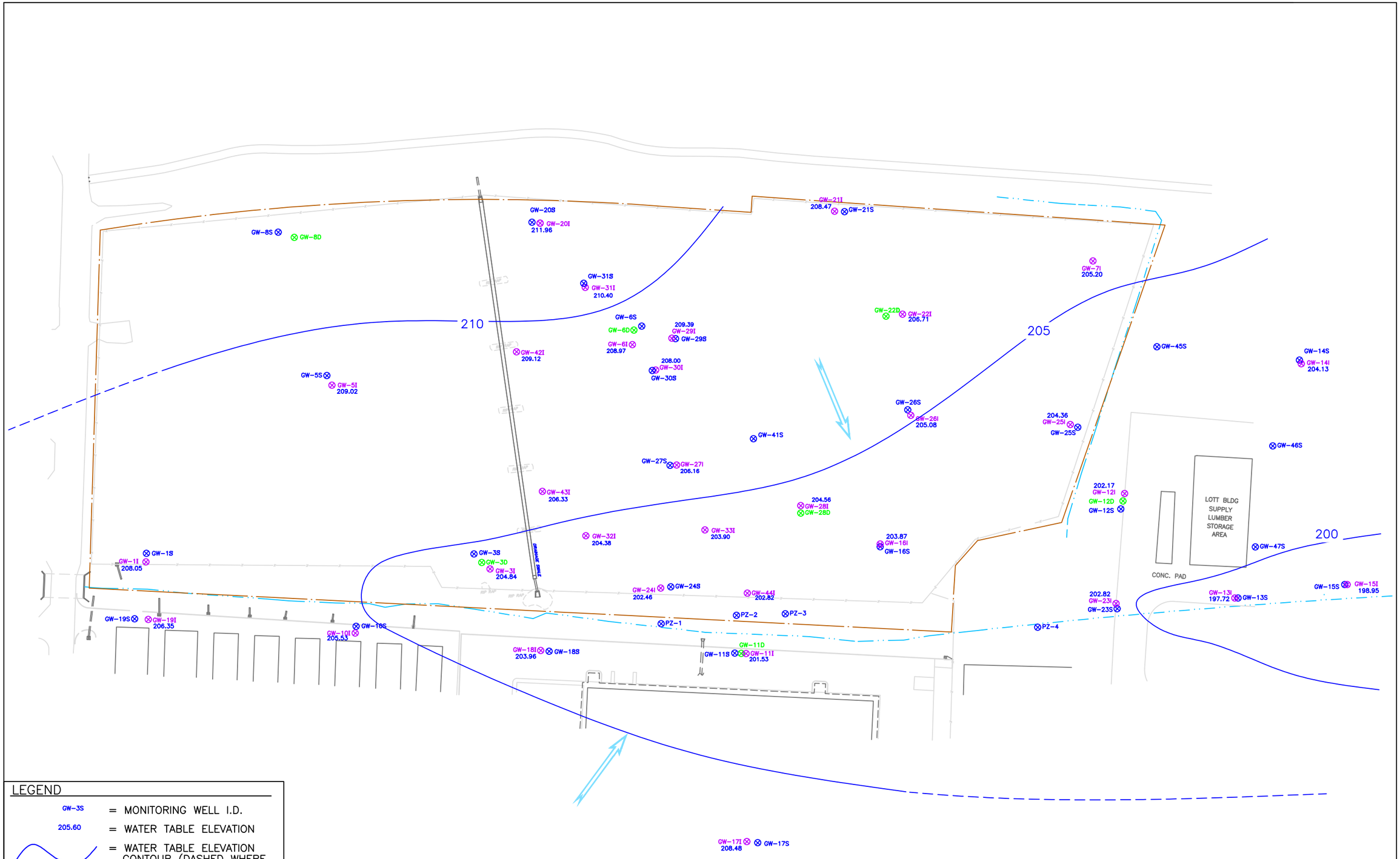
CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 Iso-concentration Map for Benzene in Intermediate Zone Groundwater
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 14, 15, 16, 17.DWG	CHECKED BY: T. Herold		FIGURE: 14



LEGEND

GW-3S	= MONITORING WELL I.D.
205.60	= WATER TABLE ELEVATION
	= WATER TABLE ELEVATION CONTOUR (DASHED WHERE INFERRED)
	= GROUNDWATER FLOW

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 – Shallow Water Table Elevation and Contour Map
PROJECT:	Walker Street Site, Former GDOT Maintenance Facility		
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 03, 04, 07, 08, 09, 10.DWG	CHECKED BY: J. Vantassell		FIGURE: 15



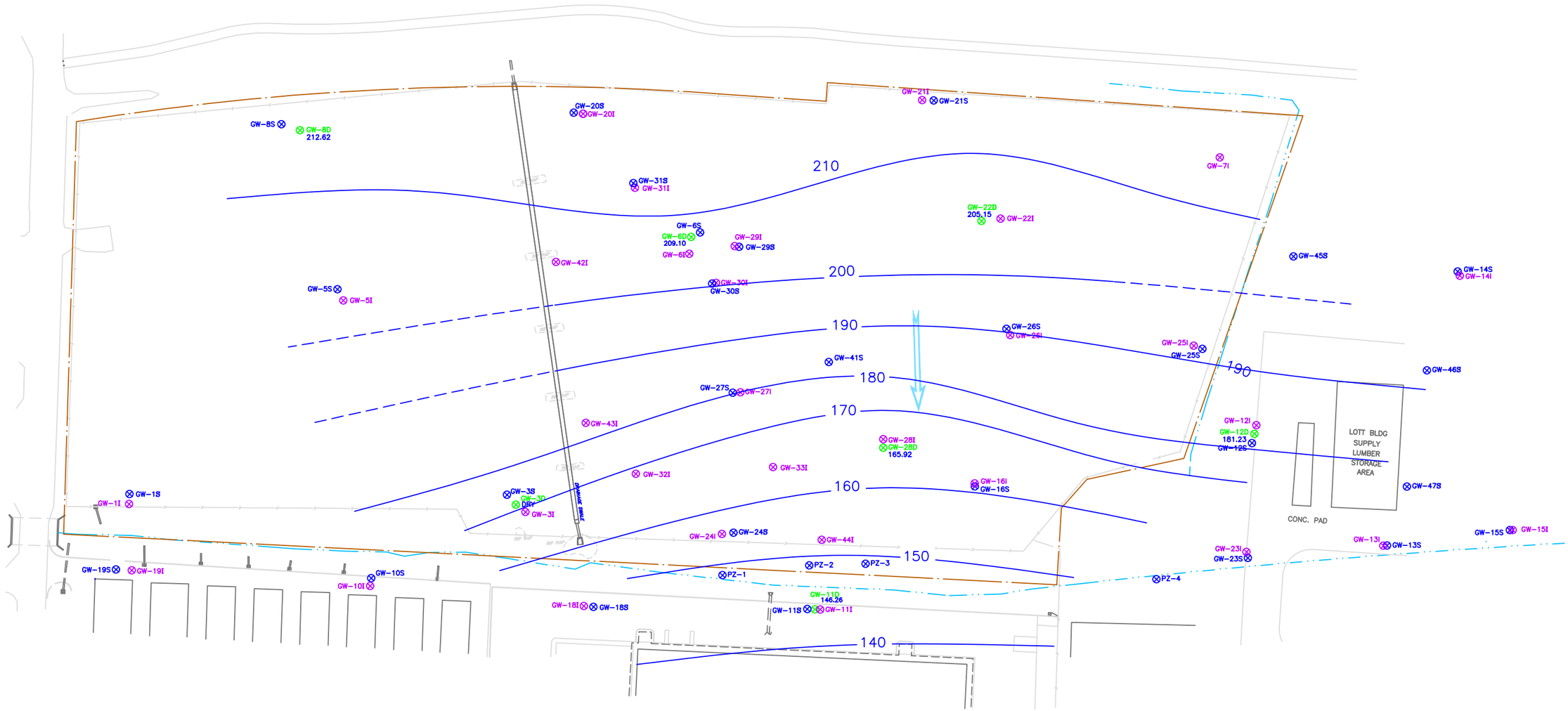
LEGEND

GW-3S	= MONITORING WELL I.D.
205.60	= WATER TABLE ELEVATION
	= WATER TABLE ELEVATION CONTOUR (DASHED WHERE INFERRED)
	= GROUNDWATER FLOW

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 – Intermediate Water Table Elevation and Contour Map
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE:	November 2018	DESIGNED BY:	AECOM
SCALE:	As Shown	DRAWN BY:	J.P. Vigil
FILE:	FIG 03, 04, 07, 08, 09, 10.DWG	CHECKED BY:	J. Vantassell

AECOM

PROJ NO: 60440866
TASK: 5
FIGURE: 16



LEGEND

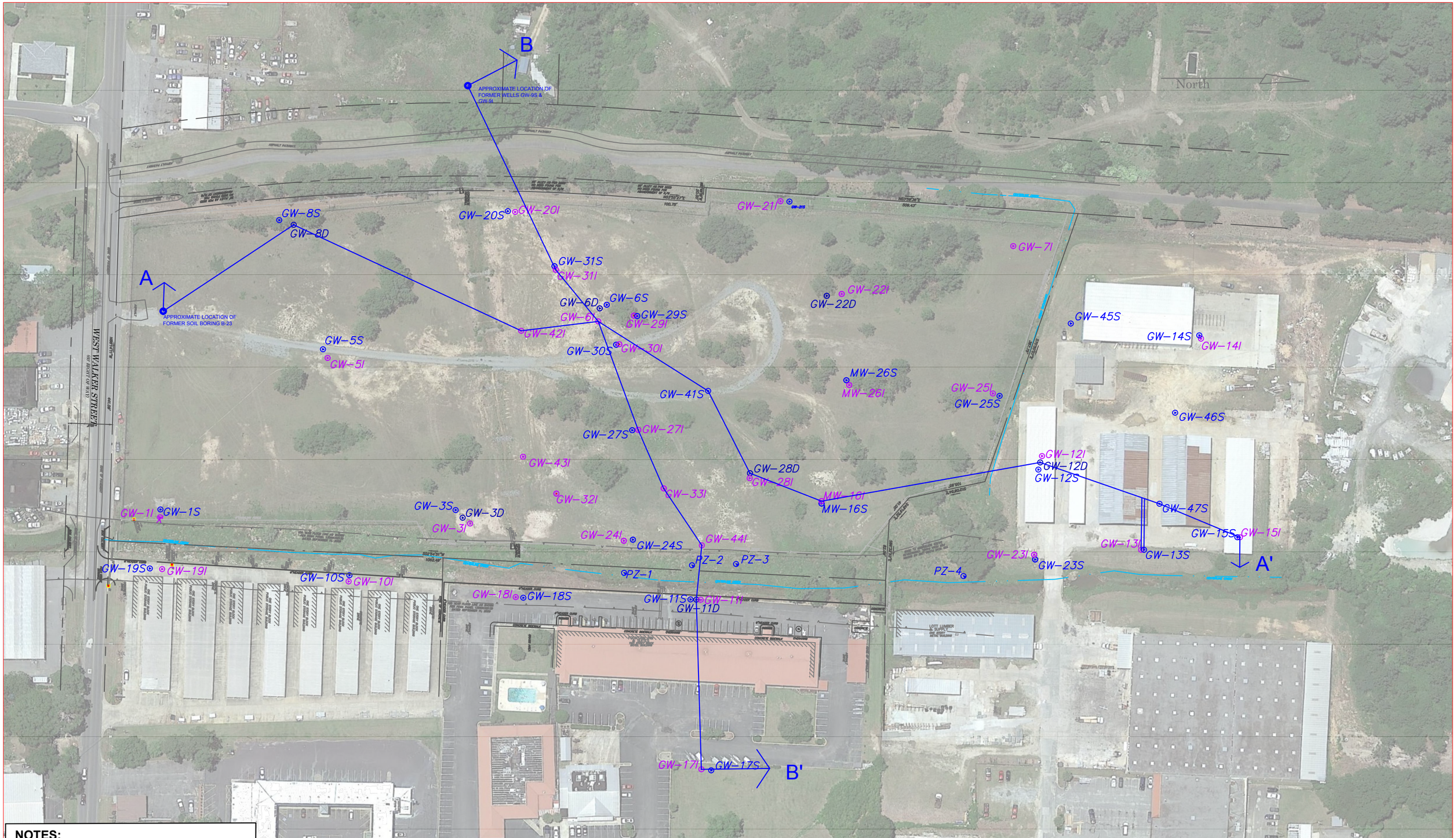
GW-3S	= MONITORING WELL I.D.
205.60	= WATER TABLE ELEVATION
	= WATER TABLE ELEVATION CONTOUR (DASHED WHERE INFERRED)
	= GROUNDWATER FLOW

GW-17I GW-17S

SCALE IN FEET
50 100

N

CLIENT:	Georgia Department of Transportation	TITLE:	September 2018 – Deep Zone Groundwater Elevation and Contour Map
PROJECT:	Walker Street Site, Former GADOT Maintenance Facility		
DATE: November 2018	DESIGNED BY: AECOM	AECOM	PROJ NO: 60440866
SCALE: As Shown	DRAWN BY: J.P. Vigil		TASK: 5
FILE: FIG 03, 04, 07, 08, 09, 10.DWG	CHECKED BY: J. Vantassell		FIGURE: 17



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

AECOM

PROJ NO: 60440866
TASK: 3
FIGURE: 18

GDOT SITE | LOTT PROPERTY

GW-8S	703.00	2606.28	1320.09	448.05	251	877.85	385.64	22	28	230	ND	24	199.97
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	Sept 2018
1,1'-Biphenyl	11	NA	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	NA
2-Methylphenol	ND	NA	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	NA
Acenaphthene	65	110	67	27	58	70	32	ND	ND	30	ND	24	58
Benzo(a)anthracene	ND	0.08	0.09	ND	ND	0.35	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	0.06	NA	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	ND
Dibenzofuran	21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	24	41	36	15	26	38	12	ND	ND	ND	ND	ND	7.2
Indeno(1,2,3-cd)pyrene	ND	0.06	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	410	2200	1100	370	120	700	290	22	28	170	ND	ND	100
Phenanthrene	11	25	13	12	ND	17	15	ND	ND	16	ND	ND	28
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	0.32	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.31	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	2.6
Fluoranthene	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND	ND	ND	1.6
Pyrene	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	ND	0.77
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.8

GW-16I	0.8	ND	1.44	ND	ND	0.902	ND	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	Sept 2018
Benzo(a)anthracene	0.13	ND	0.27	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	0.13	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.15	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.13	ND	0.30	ND	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	ND
Indeno(1,2,3-cd)pyrene	0.14	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	0.56	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	0.26	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	0.082	ND	ND	ND	ND	ND	ND

GW-13S	ND	ND	12.31	16.05	13.28	0.67	30.92	17	15	19	ND	16	14
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	Sept 2018
Acenaphthene	ND	ND	12	16	11	ND	22	17	15	19	ND	16	14
Benzo(a)anthracene	ND	ND	0.10	ND	0.48	0.18	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.06	0.05	0.32	0.09	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	0.08	ND	0.36	0.09	ND	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	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.37	0.10	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.32	0.10	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	0.79	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.71	ND	ND	ND	ND	ND	ND

GW-41S	23	68	102	36	63	42	41	16	34	35
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Fluorene	ND	12	23	12	16	12	11	ND	11	12
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	23	20	33	ND	16	ND	ND	ND	ND	ND
Phenanthrene	ND	36	46	24	31	30	30	16	23	23

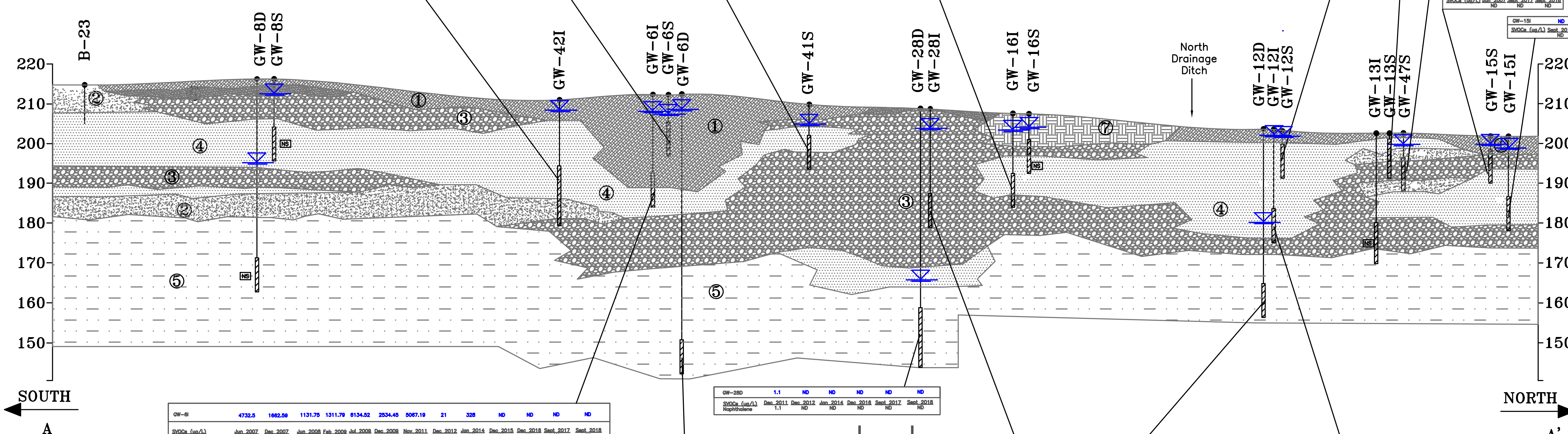
GW-42I	47	ND	ND	ND	ND	859	243	0.136	ND	ND
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Naphthalene	47	ND	ND	ND	ND	650	190	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	62	27	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	28	12	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	30	14	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	0.069	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	0.067	ND	ND

GW-12S	3920	3753	6100.31	5150.34	4203.69	4846.30	5414	6621	3334.27	8311	4039	5301	5400
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	Sept 2018
1,1'-Biphenyl	69	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	290	260	360	340	270	340	250	320	190	450	330	340	320
Acenaphthylene	12	ND	ND	12	12	12	ND	11	ND	10	ND	ND	ND
Carbazole	160	NA	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	ND
Benzo(a)anthracene	ND	ND	0.16	0.09	0.36	0.070	ND	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	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	0.25	ND	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	ND
Dibenzofuran	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	140	110	180	160	ND	150	110	150	100	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	ND
Naphthalene	2600	3000	4900	4100	3500	3800	4600	5500	2700	7000	3100	4300	4800
Phenanthrene	99	87	140	110	110	120	98	140	91	190	120	130	130
Anthracene	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND	ND

GW-47S	5393.0	2831.6
SVOCs (ug/L)	Sept 2017	Sept 2018
Acenaphthene	710	560
Anthracene	15	11
Benz(a)anthracene	0.94	0.83
Benzo(b)fluoranthene	0.11	0.11
Chrysene	1	0.58
Fluoranthene	33	24
Fluorene	370	290
Naphthalene	1800	1700
Phenanthrene	310	230
Pyrene	23	15
Benzo(a)pyrene	ND	0.062

GW-15S	ND	ND	ND
SVOCs (ug/L)	Jun 2007	Sept 2017	Sept 2018
	ND	ND	ND

GW-15I	ND	ND
SVOCs (ug/L)	Sept 2017	Sept 2018
	ND	ND



GW-28D	1.1	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2016	Sept 2017	Sept 2018
Naphthalene	1.1	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	Sept 2018
1,1'-Biphenyl	30	NA	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	ND
Acenaphthene	55	ND	ND	ND	150	11	85	ND	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	ND
Benzo(a)pyrene	0.06	ND	0.41	0.06	0.10	ND	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	ND
Carbazole	29	NA	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	ND
Dibenzo(a,h)anthracene	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	60	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA
Flouranthene	ND	NA	ND	ND	10	ND	4.4	ND	ND	ND	ND	ND	ND
Fluorene	28	ND	10	13	62	15	53	ND	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	ND
Naphthalene	4100	1500	990	1100	5200	2200	4500	21	310	ND	ND	ND	ND
Phenanthrene	39	20	20	28	61	38	39	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.47	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND

GW-28I	774	ND	ND	ND	ND	ND	ND	ND	1.92	ND
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Fluorene	42	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	550	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	100	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.24	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	0.34	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	0.34	ND

GW-12I	ND	5.64	5.64	0.10	0.72	ND	ND	ND	0.157	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	Sept 2018
Benzo(a)anthracene	ND	0.88	0.14	ND	0.42	ND	ND	ND	0.053	ND	ND	ND	ND
Benzo(a)pyrene	ND	0.91	0.14	ND	0.050	ND	ND	ND	0.051	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.99	ND	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	ND
Dibenzo(a,h)anthracene	ND	1.0	ND	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	ND

GW-6D	0.85	0.85	3.12	0.05	ND	ND	0.73	ND	ND	0.06	ND	ND	ND	0.365
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	Sept 2018
Benzo(a)pyrene	0.070	0.07	0.49	0.050	ND	ND	0.12	ND	ND	ND	ND	ND	ND	0.089
Dibenzo(a,h)anthracene	0.40	ND	0.51	ND	ND	ND	0.12	ND	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	0.094
Benzo(a)anthracene	ND	0.07	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND	0.096
Chrysene	ND	0.08	0.52	ND	ND	ND	0.13	ND	ND	ND	ND	ND	ND	0.086
Benzo(b)fluoranthene	ND	ND	0.57	ND	ND	ND	0.11	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.06	ND	ND	ND	ND

GW-12D	ND	3.14	ND	4.3	19.34	1.44	ND	ND	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	Sept 2018
Benzo(a)anthracene	ND	0.48	ND	1.2	0.25	0.46	ND	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	ND
Benzo(b)fluoranthene	ND	0.51	ND	0.51	0.24	0.19	ND	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	ND
Dibenzo(a,h)anthracene	ND	0.58	ND	0.61	0.18	0.17	ND	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	ND
Naphthalene	ND	ND	ND	ND	18	ND	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 IN FEET (0, 10, 20)

HORIZONTAL SCALE IN FEET (0, 80, 160)

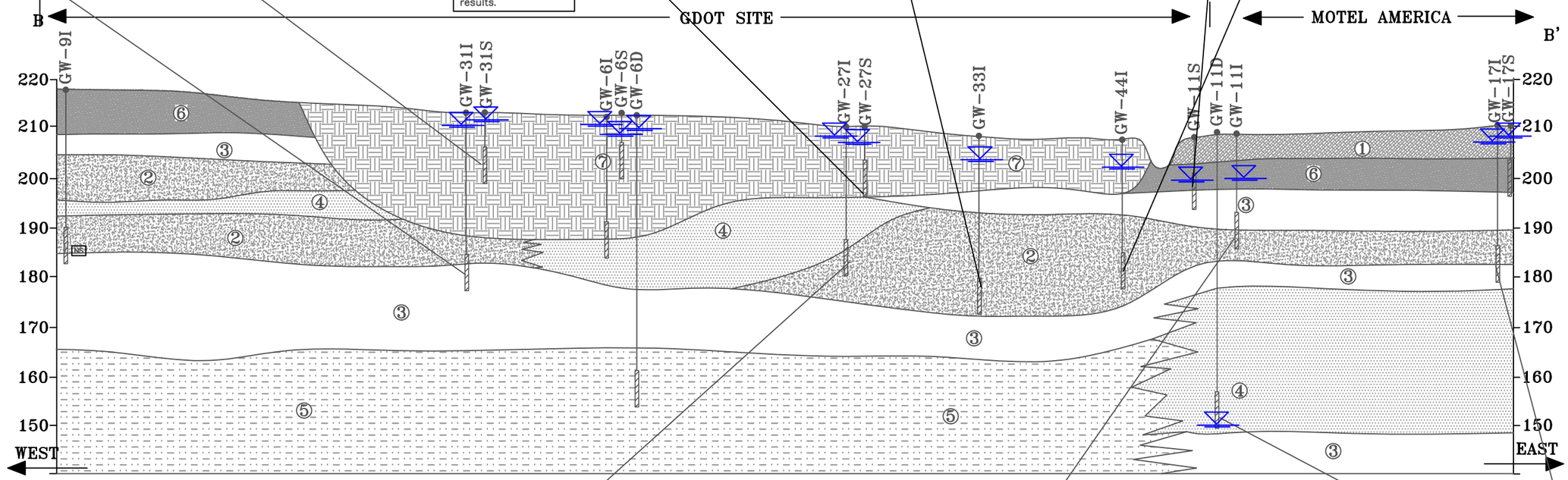
- (symbol) = Water Table
- ND = Non-Detect
- NS = Not Sampled (Soil Boring)
- \- = Not Analyzed
- 22 = Detection Above Type 1 RRS
- (arrow) = Location where groundwater was treated using Modified Fenton's Reagent

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:	November 2018	DESIGNED BY:	AECOM
SCALE:	As Shown	DRAWN BY:	K. Seo
FILE:	FIG 05-GEOLOGIC CROSS SECTION A-A.DWG	CHECKED BY:	J.P. Vigil
	AECOM	FIGURE:	19

See Cross Section A–A' for GW–6I, GW–6S, and GW–6D results.



GW–31I	3240.20	5080	4454.8	4436	658	1523	968	1886	1371	1162	796	1490	1344
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Naphthalene	2700	4300	3600	3800	480	1300	810	1600	1100	1000	710	1300	1200
Acenaphthene	40	81	81	77	ND	ND	31	57	43	50	31	63	44
Fluorene	16	33	62	59	25	41	33	52	42	51	28	39	41
Phenanthrene	52	96	100	90	30	37	29	57	47	61	27	88	59
Fluoranthene	2.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	48	ND	ND	ND	ND

GW–31S	1.52	0.064	ND	ND	ND	ND	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Dec 2016	Sept 2017	Sept 2018
Naphthalene	1.4	ND	ND	ND	ND	ND	ND
Phenanthrene	0.12	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.064	ND	ND	ND	ND	ND

GW–27S	0.16	ND	1.98	12.16	0.99	0.26	1.28	ND	NDND	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	Sept 2018
Benzo(a)anthracene	0.05	ND	0.42	0.08	0.25	0.07	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	0.26	0.08	0.13	0.06	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.11	ND	0.36	ND	0.15	ND	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	ND
Indeno(1,2,3–cd)pyrene	ND	ND	0.32	ND	0.17	0.07	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene.	ND	ND	0.26	ND	0.16	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	12	ND	ND	1.1	ND	ND	ND	ND	ND	ND

GW–33I	3140.40	4259.55	1748.19	34820	35	112.05	ND	55	ND	48	ND	0.32	ND
SVOCs (ug/L)	Dec 2011	Dec 2012	Jan 2014	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Naphthalene	2500	3600	1500	9700	35	87	ND	55	ND	48	ND	ND	ND
Acenaphthene	43	ND	ND	3400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	3.6	ND	ND	920	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	5.8	ND	ND	2400	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	13	15	ND	2900	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	45	34	32	2500	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	140	170	62	6400	ND	13	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	0.32	0.11	690	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	0.23	0.081	510	ND	0.53	ND	ND	ND	ND	ND	0.07	ND
Indeno(1,2,3–cd)pyrene	ND	ND	ND	33	ND	ND	ND	ND	ND	ND	ND	0.12	ND
Dibenz(a,h)anthracene	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	ND	0.13	ND

GW–11S	ND	ND	0.26	0.27	ND	0.48	ND	ND	ND	1.44	0.057	0.057	0.119
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	Sept 2018
Benzo(a)pyrene	ND	ND	0.13	0.07	ND	0.08	ND	ND	ND	0.29	ND	0.17	0.053
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	0.11	ND	ND	ND	0.51	ND	0.38	ND
Chrysene	ND	ND	ND	0.06	ND	0.09	ND	ND	ND	0.31	0.057	0.28	0.066
Dibenzo(a,h)anthracene	ND	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	ND
Benzo(a)anthracene	ND	ND	0.13	0.06	ND	0.10	ND	ND	ND	0.18	ND	0.14	ND

GW–44I	4822.86	261.61	27.35	717.82	3220.22	4890.6	2445.4	3930.3	4278.3	4430.1
SVOCs (ug/L)	Dec 2015	Apr 2016	May 2016	Oct 2016	Dec 2016	Sept 2017	Dec 2017	Mar 2018	Jun 2018	Sept 2018
Acenaphthene	460	89	26	94	240	420	310	320	440	510
Acenaphthylene	12	ND	ND	ND	ND	ND	ND	ND	ND	11
Anthracene	16	ND	26	ND	ND	ND	15	ND	27	12
Benzo(a)anthracene	0.56	1.2	0.58	0.28	0.39	0.23	0.16	0.13	0.14	0.089
Benzo(a)pyrene	ND	0.11	0.076	ND	0.10	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	0.55	0.18	0.12	0.20	0.11	ND	ND	ND	ND
Chrysene	0.30	1.7	0.51	0.42	0.46	0.29	0.21	0.14	0.13	0.091
Pyrene	14	ND	ND	ND	ND	ND	ND	ND	ND	4.9
Fluoranthene	20	13	ND	ND	ND	ND	ND	ND	11	12
Fluorene	220	38	ND	50	120	250	180	180	270	310
Indeno(1,2,3–cd)pyrene	NA	0.05	ND	ND	0.068	ND	ND	ND	ND	ND
Naphthalene	2400	15	ND	310	2000	2600	1800	3300	3300	3300
Phenanthrene	170	19	ND	13	59	200	140	130	230	270

GW–27I	13642.4	9091.9	9951.9	12697.5	8415.4	9598.5	9663.2	9651.2	10,694.3	10961.4	4050.2	907.3	1131.0	1800.0	4136.7	2866.8	2750.4	4072.7	157.9
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	Dec 2017	Mar 2018	Jun 2018	Sept 2018
1,1'–Biphenyl	92	NA	NA	NA	NA	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	320	290	350	51
Acenaphthylene	ND	ND	ND	11	10	ND	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	11	11	14	12	12	7	11	12	11	11	ND	11	ND	10	11	ND	14	ND
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	0.37	0.22	0.39	0.81
Benzo(a)pyrene	ND	0.12	0.11	0.41	ND	0.07	ND	ND	ND	ND	0.11	0.054	ND	ND	ND	ND	ND	ND	0.74
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	ND	ND	ND	0.62
Carbazole	350	NA	NA	NA	NA	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	0.38	0.22	0.31	0.91
Dibenzo(a,h)anthracene	ND	ND	0.12	0.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Dibenzofuran	360	NA	NA	NA	NA	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	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	13	12	6.3	ND	12	ND	12	18	15	19	16	15	10	18	ND
Fluorene	290	170	160	260	180	200	140	180	210	240	98	120	110	140	200	170	140	200	26
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	ND	ND	ND	0.8
Naphthalene	10000	7500	8100	10000	6500	7900	8000	7700	8700	8700	3100	110	530	950	2700	2200	2200	3300	76
Phenanthrene	120	160	120	180	150	180	110	130	170	180	98	98	81	130	170	150	110	190	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	263
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	Sept 2018
1,1'–Biphenyl	40	NA	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	ND
Acenaphthene	43	35	66	52	43	53	35	51	31	39	ND	23	ND
Benzo(a)anthracene	0.09	0.10	0.18	0.63	0.29	0.05	ND	ND	ND	0.0533	0.064	0.057	ND
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	ND
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	ND
Carbazole	35	NA	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	ND
Dibenzo(a,h)anthracene	ND	ND	ND	0.51	0.31	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	87	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA
Fluoranthene	ND	ND	ND	ND	NA	ND	2.8	ND	ND	ND	ND	ND	ND
Fluorene	39	33	66	48	41	54	38	56	40	ND	43	36	13
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	ND
Naphthalene	2900	2000	3100	1500	1900	1100	1400	1500	530	1300	750	610	250
Phenanthrene	48	45	81	65	51	64	36	56	24	39	26	20	ND
Pyrene	ND	ND	ND	ND	ND	ND	0.17	ND	ND	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–17I	7.3	1.61	12	3.8	ND	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	Sept 2018
Benzo(a)anthracene	1.1	0.29	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.2	0.32	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.4	0.22	ND	0.63	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.2	0.28	ND	0.64	ND	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	ND
Indeno(1,2,3–cd)pyrene	1.2	0.26	ND	0.57	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	12	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

= Location where groundwater was treated using Modified Fenton's Reagent

CLIENT: Georgia Department of Transportation		TITLE: Geologic Cross Section B – B'	
PROJECT: Walker Street Site, Former GADOT Maintenance Facility		AECOM	PROJ NO: 60448886
DATE: November 2018	DESIGNED BY: AECOM		SHEET: 5
SCALE: As Shown	DRAWN BY: K. Seo		FIGURE: 20
FILE: Fig 05–Geologic Cross Section B-B.dwg	CHECKED BY: J.P. Vigil		

CLIENT:	Georgia Department of Transportation	TITLE:	Proposed Lott Property Subdivided Parcel Boundary
PROJ:	GDOT Walker Street Site, Douglas, Georgia		
DATE:	September 2018	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:	21

Tables

Table 1
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-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
	9/10/2018				**2.06**	**208.05**
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
	9/10/2018				**3.66**	**207.12**

Table 1
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-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
	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
	9/10/2018				**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
	9/10/2018				**3.54**	**204.84**

Table 1
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-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
	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
	9/10/2018				**3.27**	**205.42**
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
	9/10/2018				**3.04**	**209.02**

Table 1
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-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
	9/10/2018				**1.22**	**211.18**
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
	9/10/2018				**3.34**	**209.10**

Table 1
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-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
	9/10/2018				**2.96**	**208.97**
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
	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
	9/10/2018				**4.15**	**208.38**

Table 1
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-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
	9/10/2018				**2.55**	**205.2**
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
	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
	9/10/2018				**3.50**	**212.62**

Table 1
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-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
	9/10/2018				**3.39**	**212.68**
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
	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
	9/10/2018				**4.89**	**205.53**

Table 1
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-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
	9/10/2018				**6.67**	**203.38**
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
	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
	9/10/2018				**62.76**	**146.26**

Table 1
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-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
	9/10/2018				**7.59**	**201.53**
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
	9/10/2018				**7.43**	**201.38**

Table 1
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
	9/10/2018				**22.28**	**181.23**
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
	9/10/2018				**1.61**	**202.17**

Table 1
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	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
	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
	9/10/2018				**1.50**	**201.63**
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
	9/10/2018				**4.45**	**197.72**

Table 1
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	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
	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
	9/10/2018				**3.28**	**198.91**
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
	9/10/2018				**2.53**	**204.13**

Table 1
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	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
	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
	9/10/2018				**2.56**	**204.1**
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
	9/10/2018				**2.22**	**198.95**

Table 1
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-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
	9/10/2018				**2.53**	**199.08**
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
	9/10/2018				**3.48**	**203.87**

Table 1
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-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
	9/10/2018				**3.41**	**203.77**
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
	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
	9/10/2018				**1.43**	**208.48**

Table 1
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-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
	9/10/2018				**2.11**	**207.68**
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
	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
	9/10/2018				**4.76**	**203.96**

Table 1
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-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
	9/10/2018				**6.38**	**202.61**
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
	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
	9/10/2018				**4.82**	**206.35**

Table 1
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-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
	9/10/2018				**6.25**	**205.23**
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
	12/18/2017				3.54	209.82
	3/12/2018				1.47	211.89
	6/11/2018				1.06	212.30
	9/10/2018				**1.40**	**211.96**

Table 1
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
	12/18/2017				4.37	208.87
	3/12/2018				1.54	211.70
	6/11/2018				1.16	212.08
	9/10/2018				**1.71**	**211.53**
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
	9/10/2018				**5.47**	**208.47**

Table 1
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	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
	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
	9/10/2018				**3.05**	**209.98**
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
	9/10/2018				**5.96**	**205.15**

Table 1
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	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
	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
	9/10/2018				**4.38**	**206.71**
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
	9/10/2018				**0.00**	**202.82**

Table 1
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	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
	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
	9/10/2018				**2.73**	**199.83**
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
	12/18/2017				5.28	201.97
	3/12/2018				4.32	202.93
	6/11/2018				3.55	203.70
	9/10/2018				**4.79**	**202.46**

Table 1
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-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
	9/10/2018				**4.51**	**202.41**
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
	9/10/2018				**4.20**	**204.36**

Table 1
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-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
	9/10/2018				**3.41**	**204.42**
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
	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
	9/10/2018				**6.13**	**205.08**

Table 1
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-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
	9/10/2018				**5.17**	**205.8**
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
	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
	12/18/2017				5.60	203.79
	3/12/2018				3.88	205.51
	6/11/2018				2.23	207.16
	9/10/2018				**3.23**	**206.16**

Table 1
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-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
	9/10/2018				**3.94**	**204.88**
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
	9/10/2018				**42.92**	**165.92**
GW-28I	12/3/2015	NS	208.49	29.33	2.06	206.43
	12/5/2016				7.49	201.00
	9/7/2017				4.34	204.15
	12/18/2017				4.35	204.14
	3/12/2018				3.33	205.16
	6/11/2018				1.65	206.84
	9/10/2018				**3.93**	**204.56**
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
	9/10/2018				**2.48**	**209.39**

Table 1
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
	12/18/2017				7.21	204.70
	3/12/2018				3.83	208.08
	6/11/2018				2.32	209.59
	9/10/2018				**4.62**	**207.29**
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
	9/10/2018				**2.88**	**208**
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
	9/10/2018				**4.89**	**206.08**
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
	12/18/2017				4.09	208.10
	3/12/2018				1.85	210.34
	6/11/2018				1.26	210.93
	9/10/2018				**1.79**	**210.40**
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
	9/10/2018				**1.62**	**210.78**
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
	12/18/2017				4.72	203.45
	3/12/2018				3.55	204.62
	6/11/2018				3.77	204.40
	9/10/2018				**3.79**	**204.38**

Table 1
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-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
	12/18/2017				4.72	203.16
	3/12/2018				3.38	204.50
	6/11/2018				1.98	205.90
	9/10/2018				**3.98**	**203.90**
TW-34I	ABANDONED					
TW-35I	ABANDONED					
TW-36I	ABANDONED					
TW-37I	12/21/2012	NS	NS	35	9.75	NA
	9/7/2017				7.80	-7.80
	9/10/2018				NG	NG
TW-38I	12/21/2012	NS	NS	30	9.66	NA
	9/7/2017				8.21	-8.21
	9/10/2018				NG	NG
TW-39I	12/21/2012	NS	NS	35	NG	NG
	9/7/2017				8.11	-8.11
	9/10/2018				NG	NG
TW-40S / PZ-1	12/21/2012	202.35	205.32	10	6.35	198.97
	9/7/2017				5.93	199.39
	9/10/2018				6.29	199.03
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
	12/18/2017				5.05	204.29
	3/12/2018				3.48	205.86
	6/11/2018				2.73	206.61
	9/10/2018				**4.09**	**205.25**
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
	12/18/2017				3.32	207.38
	3/12/2018				1.49	209.21
	6/11/2018				1.82	208.88
	9/10/2018				**1.58**	**209.12**
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
	12/18/2017				3.99	204.83
	3/12/2018				2.52	206.30
	6/11/2018				1.83	206.99
	9/10/2018				**2.49**	**206.33**
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
	12/18/2017				4.95	202.12
	3/12/2018				4.30	202.77
	6/11/2018				4.00	203.07
	9/10/2018				**4.25**	**202.82**

Table 1
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-45S	9/7/2017	206.48	206.14	15.00	2.21	203.93
	9/10/2018				**1.76**	**204.38**
GW-46S	9/7/2017	203.97	203.71	15.07	1.55	202.16
	9/12/2018				**1.35**	**202.36**
GW-47S	9/7/2017	202.53	202.31	15.21	2.75	199.56
	9/10/2018				**2.87**	**199.44**
PZ-2	9/7/2017	207.09	210.13	18.39	10.07	200.06
	9/10/2018				**10.18**	**199.95**
PZ-3	9/7/2017	206.37	209.66	18.77	8.38	201.28
	9/10/2018				**8.95**	**200.71**
PZ-4	9/7/2017	201.17	203.85	10.11	5.24	198.61
	9/10/2018				**5.31**	**198.54**
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
	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
	9/10/2018				**4.17**	**208.18**

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

Table 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	March 2005			June 2005 Sampling			August 2005			December 2005			March 2006			June 2006 Sampling			December 2006			June 2007 Sampling		
	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 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2007 Sampling			June 2008 Sampling			February 2009 Sampling			June 2009 Sampling			December 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)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)
GW-01I			X			X			X			X			X
GW-01S															
GW-03D															
GW-03I		X			X			X			X		X	X	
GW-03S															
GW-05I															
GW-05S															
GW-06I	X	X		X	X		X	X		X	X		X	X	
GW-06S	X	X		X	X		X	X		X	X		X	X	
GW-06D	X	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		X	X	
GW-11S		X			X			X			X			X	
GW-11D															
GW-12D		X			X			X			X			X	
GW-12I	X	X		X	X		X	X		X	X		X	X	
GW-12S	X	X		X	X		X	X		X	X		X	X	
GW-13I															
GW-13S		X			X			X			X			X	
GW-14I															
GW-14S															
GW-15I															
GW-15S															
GW-16I		X			X			X			X			X	
GW-16S															
GW-17I		X			X			X			X			X	
GW-17S															
GW-18I		X			X			X			X			X	
GW-18S		X			X			X			X			X	
GW-19I															
GW-19S															
GW-20I	X	X		X	X		X	X		X	X		X	X	
GW-20S	X	X		X	X		X	X		X	X		X	X	
GW-21I															
GW-21S															
GW-22D															
GW-22S															
GW-23I		X			X			X			X		X	X	
GW-23S		X			X			X			X			X	
GW-24I	X	X		X	X		X	X		X	X		X	X	
GW-24S	X	X		X	X		X	X		X	X		X	X	
GW-25I															
GW-25S		X			X			X			X			X	
GW-26I		X			X			X			X			X	
GW-26S															
GW-27I	X	X		X	X		X	X		X	X		X	X	
GW-27S	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	**12**	**24**	**1**	**12**	**23**	**1**	**12**	**23**	**1**	**12**	**24**	**1**	**13**	**24**	**1**

Table 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	Nov/Dec 2011 Sampling			December 2012 Sampling			January 2014 Sampling			December 2015 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		X	X	
GW-28I										X	X	
GW-29I	X	X		X	X		X	X		X	X	
GW-29S	X	X		X	X		X	X		X	X	
GW-30I	X	X		X	X		X	X		X	X	
GW-30S	X	X		X	X		X	X		X	X	
GW-31I	X	X		X	X		X	X		X	X	
GW-31S	X	X		X	X		X	X		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	
GW-42I										X	X	
GW-43I										X	X	
GW-44I										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	**22**	**33**	**1**	**22**	**33**	**1**	**22**	**33**	**1**	**27**	**38**	**1**

Table 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	April 2016 Sampling						May 2016 Sampling					
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9056A)	VOCs (Method 8260B)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9056A)	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 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	October 2016 Sampling						December 2016 Sampling			September 2017 Sampling			
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9056A)	VOCs (Method 8260B)	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	X	X	X		X	X		X
GW-20S	X	X	X	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		
GW-24I	X	X	X	X	X	X	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	X	X	X		X	X		X
GW-27S							X	X		X	X		
GW-28D							X	X		X	X		
GW-28I	X	X	X	X	X	X	X	X		X	X		X
GW-29I							X	X		X	X		
GW-29S	X	X	X	X	X	X	X	X		X	X		X
GW-30I							X	X		X	X		X
GW-30S							X	X		X	X		
GW-31I	X	X	X	X	X	X	X	X		X	X		
GW-31S							X	X		X	X		
GW-32I	X	X	X	X	X	X	X	X		X	X		X
GW-33I	X	X	X	X	X	X	X	X		X	X		X
GW-41S	X	X	X	X	X	X	X	X		X	X		X
GW-42I	X	X	X	X	X	X	X	X		X	X		X
GW-43I	X	X	X	X	X	X	X	X		X	X		X
GW-44I	X	X	X	X	X	X	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	**13**	**13**	**13**	**13**	**13**	**13**	**27**	**38**	**1**	**35**	**56**	**4**	**13**

Table 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	December 2017 Sampling						March 2018 Sampling				
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Hg (Method 7470A)	Ion Scan (Method 9056A)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9056A)
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
GW-20S	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
GW-24S											
GW-25I											
GW-25S											
GW-26I											
GW-26S											
GW-27I	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
GW-29I											
GW-29S	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
GW-31S											
GW-32I	X	X	X	X	X	X	X	X	X	X	X
GW-33I	X	X	X	X	X	X	X	X	X	X	X
GW-41S	X	X	X	X	X	X	X	X	X	X	X
GW-42I	X	X	X	X	X	X	X	X	X	X	X
GW-43I	X	X	X	X	X	X	X	X	X	X	X
GW-44I	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**

Table 2
Breakdown of Analytical Parameters
Former GDOT Maintenance Facility, Douglas, Georgia

Well ID	June 2018 Sampling					September 2018 Sampling			
	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	Total Metals (Method 6010C)	Cr^{+6} (Method 3500-Cr B)	Ion Scan (Method 9056A)	BTEX (Method 8260B)	PAHs (Method 8270C + SIM)	VOCs (Method 8260B)	Total Metals (Method 6010C)
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						X	X		
GW-14S						X	X		
GW-15I						X	X		
GW-15S						X	X		
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		X
GW-30S						X	X		
GW-31I	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							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	**13**	**13**	**13**	**13**	**13**	**35**	**56**	**4**	**13**

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-GW-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	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-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
	WST-G-GW03IR	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
	WST-G-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-3I	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-03S	GW-03S	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
	WS-W-GW-003S	13-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
GW-05I	GW-05I	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-05S	GW-05S	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
	WS-W-GW-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-DUP-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
GW-06D	GW-06D	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
	WST-G-DUP-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
	06DR	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
	06DR	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
	WST-G-GW 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
	WST-G-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
	GW-6D	11-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.096	0.089	<0.10	<10	<10	NA	NA	NA	0.086	<0.10	NA	NA	<10	<10	0.094	<10	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 06IR	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
	WST-G-GW 06IR	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
	GW-6I	11-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW 006S	14-Apr-04							180	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	62	<10	**3300**	**23**	<10
	WST-G-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
	WST-G-GW-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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-6S	13-Sep-18	NA	NA	NA	NA	NA	NA	58	1.8	2.6	<0.050	<0.050	<0.10	<0.10	<0.050	NA	NA	NA	<0.050	<0.10	NA	NA	1.6	7.2	<0.050	**100**	**28**	0.77
GW-07I	GW-07I	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
	WST-G-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
	WST-G-GW 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
	WST-G-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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-08D	GW-08D	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
	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
GW-08S	GW-08S	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
	WST-G-GW- 8 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	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	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	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	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
	WST-G-GW 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
	WST-G-GW 10S	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	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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	GW-11I	13-Sep-18	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	13	<0.050	**250**	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW 11S		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
	GW-11S	13-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	0.053	<0.10	<10	<10	NA	NA	NA	0.066	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW 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
	WST-G-GW-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
	WST-G-GW 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
	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
	GW-12D	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	12IR	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
	WST-G-GW 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
	WST-G-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
	GW-12I	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW 012S	14-Apr-04							250	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	99	<10	**2800**	**63**	<10
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-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
	12SR	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
	WST-G-GW 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
	WST-G-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
	WST-G-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-12S	14-Sep-18	NA	NA	NA	NA	NA	NA	320	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	150	<0.050	**4800**	**130**	<10
GW-13I	GW-13I	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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW 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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW 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-13S	14-Sep-18	NA	NA	NA	NA	NA	NA	14	<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	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
	WST-G-GW-14I	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
	GW-14I	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	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
	WST-G-GW-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
	WST-G-GW-14S	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-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-14S	12-Sep-18	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	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
	WST-G-GW-15I	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-15I	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-15S	GW-15S	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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW-15S	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-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
	GW-15S	12-Sep-18	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	GW-16I	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
	WST-G-GW-16I	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
	WST-G-GW 16 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-16I	11-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-16S	GW-16S	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW-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
	WST-G-GW-16S	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-17I	GW-17I	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
	WST-G-GW 17 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-17I	11-Sep-18	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	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW-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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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-18I	Sep-18	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	Sep-18 DUP	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-18S	GW-18S	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	GW-18S	Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.12**	0.12	0.2	<10	<10	NA	NA	NA	**0.23**	<0.10	NA	NA	<10	<10	0.093	<10	<10	<10
	DUP-4	Sep-18 DUP	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.13	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
GW-19I	GW-19I	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	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
	WST-G-GW 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
	WST-G-GW 19S	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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-20I	GW-20I	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW20IR	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 20 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
	GW-20I	18-Dec-17	NA	NA	NA	NA	NA	NA	<10	<10	12	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	<10	<0.050	**47**	**12**	<10
	GW-20I	12-Mar-18	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	14	<10	<10
	GW-20I	12-Jun-18	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	13-Sep-18	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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW-020S	15-Apr-04							100	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	71	<10	**3100**	**34**	<10
	WST-G-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
	WST-G-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
	WST-G-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
	20SR	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
	WST-G-GW 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
	WST-G-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
	WST-G-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
	WST-G-GW 20 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-20S	18-Dec-17	NA	NA	NA	NA	NA	NA	47	<10	<10	0.05	<0.050	<0.10	<10	<10	NA	NA	NA	0.056	<0.10	NA	NA	<10	48	<0.050	**380**	**11**	<10
	GW-20S	12-Mar-18	NA	NA	NA	NA	NA	NA	29	<10	<10	<0.050	0.06	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	29	0.077	**140**	<10	<10
	GW-20S	12-Jun-18	NA	NA	NA	NA	NA	NA	31	<10	<10	0.055	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	35	<0.050	**45**	<10	<10
	GW-20S	13-Sep-18	NA	NA	NA	NA	NA	NA	58	<10	<10	0.073	<0.050	<0.10	<10	<10	NA	NA	NA	0.056	<0.10	NA	NA	<10	66	<0.050	**320**	**13**	<10
GW-21I	GW-21I	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
	WST-G-GW-21I	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	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
	WST-G-GW-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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW-22D	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	15-Apr-98							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
GW-22S	WST-G-GW22S	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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW-22S	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

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-23I	GW-23I	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
	WST-G-GW-23 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
	GW-23I	10-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 23S	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-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
	WST-G-GW 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
	GW-23S	10-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	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
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-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
	WST-G-GW 24 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
	GW-24I	21-Dec-17	NA	NA	NA	NA	NA	NA	100	<10	<10	**0.45**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.42**	<0.10	NA	NA	20	72	<0.050	**160**	**140**	14
	GW-24I	14-Mar-18	NA	NA	NA	NA	NA	NA	66	<10	<10	**0.27**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.24**	<0.10	NA	NA	12	47	<0.050	**120**	**88**	8.4
	GW-24I	14-Jun-18	NA	NA	NA	NA	NA	NA	100	<10	21	**0.52**	0.054	0.14	<10	<10	NA	NA	NA	**0.39**	<0.10	NA	NA	22	79	0.081	**290**	**150**	13
	GW-24I	13-Sep-18	NA	NA	NA	NA	NA	NA	83	<10	<10	**0.39**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.3**	<0.10	NA	NA	19	56	<0.050	**120**	**120**	12

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-024S	15-Apr-04							<10	<10	<10	<10	<10	<10	<10	<10				<10	<10			<10	<10	<10	<10	<10	<10
	WST-G-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
	WST-G-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
	WST-G-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
	WST-G-GW 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
	WST-G-GW 24S	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 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
	WST-G-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
	WST-G-GW 24 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-24S	11-Sep-18	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	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
	WST-G-GW-25 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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	2-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW 25S	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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW 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-25S	11-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-26I	GW-26I	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
	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
	WST-G-GW 26I	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
	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
	WST-G-GW 26 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
	GW-26I	12-Sep-18	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-26S	GW-26S	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
	WST-G-GW-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
	WST-G-GW 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
	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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW27S	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-GW27S	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-27I	GW-27I	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
	WST-G-GW 27 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
	GW-27I	18-Dec-17	NA	NA	NA	NA	NA	NA	320	<10	11	**0.37**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.38**	<0.10	NA	NA	15	170	<0.050	**2200**	**150**	<10
	DUP-1	18-Dec-17	NA	NA	NA	NA	NA	NA	22	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	10	<0.050	**110**	**12**	<10
	GW-27I	15-Mar-18	NA	NA	NA	NA	NA	NA	290	<10	<10	**0.22**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.22**	<0.10	NA	NA	10	140	<0.050	**2200**	**110**	<10
	GW-27I	14-Jun-18	NA	NA	NA	NA	NA	NA	350	<10	14	**0.39**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.31**	<0.10	NA	NA	18	200	<0.050	**3300**	**190**	<10
	GW-27I	12-Sep-18	NA	NA	NA	NA	NA	NA	51	<10	<10	**0.81**	**0.74**	**0.62**	<10	<10	NA	NA	NA	**0.91**	**1**	NA	NA	<10	26	**0.8**	**76**	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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	7-Feb-00							<5	<5	<5		<5	<5	<5	<5				<5				<5	<5	<5	<5	<5	<5
	WS-W-GW-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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW 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
	WST-G-GW 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
	WST-G-GW-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
	WST-G-GW27S	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-27S	14-Sep-18	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	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	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-28D	12-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-28I	GW-28I	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
	GW-28I	20-Dec-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	14-Mar-18	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	13-Jun-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.32**	**0.24**	**0.32**	<10	<10	NA	NA	NA	**0.34**	**0.36**	NA	NA	<10	<10	0.34	<10	<10	<10
	GW-28I	14-Sep-18	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	GW-29I	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-29I	13-Sep-18	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-5	13-Sep-18	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-29S	GW-29S	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-29S	19-Dec-17	NA	NA	NA	NA	NA	NA	190	<10	<10	**0.16**	<0.050	<0.10	<10	<10	NA	NA	NA	0.16	<0.10	NA	NA	<10	91	<0.050	**2900**	**95**	<10
	GW-29S	14-Mar-18	NA	NA	NA	NA	NA	NA	76	<10	<10	**0.4**	0.13	**0.3**	<10	<10	NA	NA	NA	**0.43**	<0.10	NA	NA	<10	19	0.079	**790**	**28**	<10
	GW-29S	12-Jun-18	NA	NA	NA	NA	NA	NA	130	<10	<10	0.059	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	49	<0.050	<10	**52**	<10
	GW-29S	13-Sep-18	NA	NA	NA	NA	NA	NA	140	<10	<10	0.074	<0.050	<0.10	<10	<10	NA	NA	NA	0.061	<0.10	NA	NA	<10	62	<0.050	**2000**	**72**	<10
GW-30I	GW-30I	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-30I	11-Sep-18	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 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-30S	GW-30S	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-30S	12-Sep-18	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	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
	GW-31I	20-Dec-17	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	51	<0.050	**1000**	**61**	<10
	GW-31I	13-Mar-18	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	28	<0.050	**710**	**27**	<10
	GW-31I	13-Jun-18	NA	NA	NA	NA	NA	NA	63	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	39	<0.050	**1300**	**88**	<10
	GW-31I	13-Sep-18	NA	NA	NA	NA	NA	NA	44	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	41	<0.050	**1200**	**59**	<10
GW-31S	GW-31S	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-31S	11-Sep-18	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	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-32I	19-Dec-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	15	<10	<10
	GW-32I	13-Mar-18	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	13-Jun-18	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	11-Sep-18	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	**54**	<10	<10
	DUP-2	11-Sep-18	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	**46**	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-33I	GW-33I	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-33I	21-Dec-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	**48**	<10	<10
	GW-33I	15-Mar-18	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	14-Jun-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	0.07	0.13	NA	NA	<10	<10	0.12	<10	<10	<10
	DUP-1	14-Jun-18	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	11-Sep-18	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	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
	GW-41S	19-Dec-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	11	<0.050	<10	**30**	<10
	GW-41S	13-Mar-18	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	**16**	<10
	GW-41S	13-Jun-18	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	11	<0.050	<10	**23**	<10
	GW-41S	13-Sep-18	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	**23**	<10
GW-42I	GW-42I	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-42I	18-Dec-17	NA	NA	NA	NA	NA	NA	27	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	<0.050	<0.10	NA	NA	<10	12	<0.050	**190**	**14**	<10
	GW-42I	13-Mar-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	0.067	<0.050	<0.10	<10	<10	NA	NA	NA	0.069	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
	GW-42I	12-Jun-18	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	12-Sep-18	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	GW-43I	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-43I	19-Dec-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	**37**	<10	<10
	GW-43I	13-Mar-18	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
	DUP-1	13-Mar-18	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
	GW-43I	13-Jun-18	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	**41**	**17**	<10
	GW-43I	13-Sep-18	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	**26**	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-44I	GW-44I	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-44I	20-Dec-17	NA	NA	NA	NA	NA	NA	310	<10	15	**0.16**	<0.050	<0.10	<10	<10	NA	NA	NA	**0.21**	<0.10	NA	NA	<10	180	<0.050	**1800**	**140**	<10
	GW-44I	14-Mar-18	NA	NA	NA	NA	NA	NA	320	<10	<10	**0.13**	<0.050	<0.10	<10	<10	NA	NA	NA	0.14	<0.10	NA	NA	<10	180	<0.050	**3300**	**130**	<10
	GW-44I	13-Jun-18	NA	NA	NA	NA	NA	NA	440	<10	27	**0.14**	<0.050	<0.10	<10	<10	NA	NA	NA	0.13	<0.10	NA	NA	11	270	<0.050	**3300**	**230**	<10
	GW-44I	14-Sep-18	NA	NA	NA	NA	NA	NA	510	**11**	12	0.089	<0.050	<0.10	<10	<10	NA	NA	NA	0.091	<0.10	NA	NA	12	310	<0.050	**3300**	**270**	4.9
GW-45S	GW-45S	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-45S	10-Sep-18	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	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-46S	12-Sep-18	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	12-Sep-18	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	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
	GW-47S	14-Sep-18	NA	NA	NA	NA	NA	NA	560	<10	**11**	**0.83**	0.062	0.11	<10	<10	NA	NA	NA	**0.58**	<0.10	NA	NA	24	290	<0.050	**1700**	**230**	15
PZ-1	PZ-1	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-1	11-Sep-18	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	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-2	13-Sep-18	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-3	PZ-3	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-3	11-Sep-18	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	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
	PZ-4	12-Sep-18	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	SW-1	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-1	14-Sep-18	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	SW-2	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-2	14-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.083**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10

Table 3
Historical Groundwater and Surface Water Detections of Site COCs - SVOC/PAHs
Former GDOT Maintenance Facility, Douglas, Georgia

Well or Sample Location ID	2900	SAMPLE DATE	1,1'-Biphenyl	2,4-Dimethylphenol	2,4-Dinitrotoluene	2,6-Dinitrotoluene	2-Methylphenol	4-Methylphenol	Acenaphthene	Acenaphthylene	Anthracene	Benzo(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-3	SW-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
	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-3	14-Sep-18	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	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-4	14-Sep-18	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	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-5	14-Sep-18	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	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	14-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	**0.15**	**0.23**	**0.45**	<10	<10	NA	NA	NA	**0.32**	<0.10	NA	NA	<10	<10	**0.23**	<10	<10	<10
SW-7	SW-7	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	14-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.054**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-8	SW-8	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-8	14-Sep-18	NA	NA	NA	NA	NA	NA	<10	<10	<10	<0.050	<0.050	<0.10	<10	<10	NA	NA	NA	**0.069**	<0.10	NA	NA	<10	<10	<0.050	<10	<10	<10
SW-9	SW-9	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-9	14-Sep-18	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

RRS - Risk Reduction Standard

ISWQS - In-Stream Water Quality Standard

Table 4
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
		13-Sep-18	**8.3**	<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

Table 4
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-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
		12-Sep-18	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 4
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-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
		11-Sep-18	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
		13-Sep-18	NA	NA	**8.9**	3.8	NA	<1.0	<1.0	NA	<1.0

Table 4
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 4
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
		13-Sep-18	NA	NA	2.8	<1.0	NA	<1.0	<1.0	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 4
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
		12-Sep-18	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
		14-Sep-18	NA	NA	**13**	16	NA	46	33	NA	22
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 4
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
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-14S	µg/L	9-Feb-95	<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
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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

Table 4
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-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
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
		18-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 4
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-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
		18-Dec-17	NA	NA	1.5	<1.0	NA	<1.0	<1.0	NA	<1.0
		12-Mar-18	NA	NA	1.2	1.3	NA	1.1	1.3	NA	<1.0
		12-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	NA	NA	1.1	<1.0	NA	<1.0	<1.0	NA	<1.0
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

Table 4
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-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
		10-Sep-18	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
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
		21-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 4
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-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
		11-Sep-18	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
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

Table 4
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-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
		20-Dec-17	NA	NA	3.9	12	NA	36	14	NA	16
		20-Dec-17 (DUP-1)	NA	NA	<1.0	<1.0	NA	2	<1.0	NA	<1.0
		15-Mar-18	NA	NA	2.9	7.3	NA	24	8.1	NA	12
		14-Jun-18	NA	NA	4.6	11	NA	33	13	NA	19
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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
		14-Sep-18	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

Table 4
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-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
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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
		20-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Sep-18	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
		13-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	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
		19-Dec-17	NA	NA	**33**	15	NA	26	18	NA	4.7
		14-Mar-18	NA	NA	**19**	11	NA	12	12	NA	2
		12-Jun-18	NA	NA	**25**	15	NA	24	16	NA	3.7
		13-Sep-18	NA	NA	**25**	12	NA	14	11	NA	2.9
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
		11-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 4
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-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
		12-Sep-18	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
		20-Dec-17	NA	NA	4	5.6	NA	<1.0	1.9	NA	1.8
		13-Mar-18	NA	NA	2.7	3.2	NA	<1.0	<1.0	NA	1.3
		13-Jun-18	NA	NA	4.1	6.4	NA	2.2	3.4	NA	2
		13-Sep-18	NA	NA	2.8	3.7	NA	<1.0	1.1	NA	1.2
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
		11-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
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
		19-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 4
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-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
		21-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		15-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		14-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Sep-18	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
		19-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	1.3
		13-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	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
		18-Dec-17	NA	NA	<1.0	<1.0	NA	1.6	<1.0	NA	<1.0
		13-Mar-18	NA	NA	<1.0	<1.0	NA	2.6	1.1	NA	<1.0
		12-Jun-18	NA	NA	<1.0	<1.0	NA	2	<1.0	NA	<1.0
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<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
		19-Dec-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Mar-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Mar18 (DUP-1)	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Jun-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		13-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0

Table 4
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
		20-Dec-17	NA	NA	<1.0	3.3	NA	9	4.4	NA	2.6
		14-Mar-18	NA	NA	<1.0	4.4	NA	13	5.3	NA	2.8
		13-Jun-18	NA	NA	<1.0	3.8	NA	11	4.6	NA	3
		14-Sep-18	NA	NA	<1.0	2.5	NA	7.4	3	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
		10-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-46S	µg/L	20-Sep-17	<5.0	<50	<5.0	<5.0	<5.0	<10	<5.0	<5.0	<5.0
		12-Sep-18	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
GW-47S	µg/L	20-Sep-17	NA	NA	<1.0	1.6	NA	3.1	1.9	NA	1.4
		14-Sep-18	NA	NA	<1.0	1.5	NA	2.1	1.2	NA	1.1
PZ-1	µg/L	21-Sep-17	NA	NA	<1.0	<1.0	NA	<1.0	<1.0	NA	<1.0
		11-Sep-18	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
		13-Sep-18	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
		11-Sep-18	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
		12-Sep-18	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 5
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
		18-Dec-17	<0.0500	0.0207	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		12-Mar-18	<0.0500	<0.0200	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		12-Jun-18	<0.0500	0.023	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.0226	<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
		18-Dec-17	<0.0500	0.149	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		12-Mar-18	<0.0500	0.15	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		12-Jun-18	<0.0500	0.158	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.144	<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	0.088	<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
		21-Dec-17	<0.0500	0.075	<0.0050	<0.0100	<0.010	**0.0193**	<0.00020	<0.0200	<0.0100
		14-Mar-18	<0.0500	0.0655	<0.0050	<0.0100	<0.010	**0.0161**	<0.00020	<0.0200	<0.0100
		14-Jun-18	<0.0500	0.06	<0.0050	<0.0100	<0.010	0.0132	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.064	<0.0050	<0.0100	NA	0.0128	<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	**0.025**	<0.00020	<0.0200	<0.0100
		20-Dec-17	<0.0500	0.106	<0.0050	<0.0100	<0.010	**0.0173**	<0.00020	<0.0200	<0.0100
		20-Dec-17 DUP	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		15-Mar-18	<0.0500	0.0858	<0.0050	<0.0100	<0.010	**0.0174**	<0.00020	<0.0200	<0.0100
		14-Jun-18	<0.0500	0.0924	<0.0050	<0.0100	<0.010	**0.0162**	<0.00020	<0.0200	<0.0100
		12-Sep-18	<0.0500	0.0251	<0.0050	<0.0100	NA	<0.0100	<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
		20-Dec-17	<0.0500	0.0441	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		14-Mar-18	<0.0500	0.0431	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.0402	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		14-Sep-18	<0.0500	0.0329	<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
		20-Dec-17	<0.0500	0.0843	<0.0050	<0.0100	<0.010	**0.0768**	<0.00020	<0.0200	<0.0100
		14-Mar-18	<0.0500	0.505	<0.0050	0.0294	0.013	**0.24**	0.0003	<0.0200	<0.0100
		12-Jun-18	<0.0500	0.0705	<0.0050	<0.0100	<0.010	**0.028**	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.0725	<0.0050	<0.0100	NA	**0.0376**	<0.00020	<0.0200	<0.0100
GW-30I*	mg/L	-Sep-18	<0.0500	0.0375	<0.0050	<0.0100	NA	<0.0100	<0.00020	<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	0.18	<0.0050	<0.0100	<0.010	**0.0162**	<0.00020	<0.0200	<0.0100
		20-Dec-17	<0.0500	0.182	<0.0050	<0.0100	<0.010	**0.0283**	<0.00020	<0.0200	<0.0100
		13-Mar-18	<0.0500	0.148	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.077	<0.0050	<0.0100	<0.010	**0.0496**	<0.00020	<0.0200	<0.0100

Table 5
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-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
		19-Dec-17	<0.0500	0.0734	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Mar-18	<0.0500	0.057	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.0423	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		11-Sep-18	<0.0500	0.039	<0.0050	<0.0100	NA	<0.0100	<0.00020	<0.0200	<0.0100
		11-Sep-18 DUP	<0.0500	0.0408	<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
		21-Dec-17	<0.0500	0.0664	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		15-Mar-18	<0.0500	0.0783	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		14-Jun-18	<0.0500	0.0726	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		14-Jun-18 DUP	<0.0500	0.0726	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		11-Sep-18	<0.0500	0.0594	<0.0050	<0.0100	NA	<0.0100	<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	0.064	<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
		19-Dec-17	<0.0500	0.0681	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Mar-18	<0.0500	0.0679	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.0725	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.0705	<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
		18-Dec-17	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Mar-18	<0.0500	<0.0200	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		12-Jun-18	<0.0500	<0.0200	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		12-Sep-18	<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
		19-Dec-17	<0.0500	0.0862	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Mar-18	<0.0500	0.0538	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Mar-18 DUP	<0.0500	0.0537	<0.0050	<0.0100	<0.01	<0.0100	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.0718	<0.0050	<0.0100	<0.010	<0.0100	<0.00020	<0.0200	<0.0100
		13-Sep-18	<0.0500	0.0744	<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	0.06	<0.0050	<0.0100	NA	**0.0956**	<0.00020	<0.0200	<0.0100
		20-Dec-17	<0.0500	0.0643	<0.0050	<0.0100	<0.010	**0.121**	<0.00020	<0.0200	<0.0100
		14-Mar-18	<0.0500	0.0575	<0.0050	<0.0100	<0.010	**0.0728**	<0.00020	<0.0200	<0.0100
		13-Jun-18	<0.0500	0.0569	<0.0050	<0.0100	<0.010	**0.0513**	<0.00020	<0.0200	<0.0100
		14-Sep-18	<0.0500	0.0571	<0.0050	<0.0100	NA	**0.0406**	<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.
* Inadvertently analyzed GW-30I rather than GW-31I

[1] Method SW6010C
[2] Method SM3500-C
[3] Method SW7470A
DUP - Duplicate sample result

Appendix A
GA EPD Correspondences and Responses

No correspondences exchanged during this reporting period.

Appendix B
Groundwater Sampling Log Sheets

June 2018 Sampling Logs

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/12/18
WELL NO:	GW-20S	SAMPLE ID:	GW-20S	QC SAMPLE?	☐ YES ☒ NO
ID:					

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 1.14	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 = (14.31 feet – 1.14 feet) X 0.65 liters/foot = 8.6 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (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):	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1129	TOTAL VOLUME PURGED (liters): 15.25
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)	~~Yokel ORP (228 mV)~~	☐ Previously Calibrated		
Precalibration Readings:	27.1 °C	3.95 SU	319 mV	4.57 mS/cm	0.21 NTU	7.69 mg/L
Calibrated Readings:	27.1 °C	4.01 SU	324 mV	4.50 mS/cm	0.00 NTU	8.75 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0948	0.5	0.5	0.18	1.70	24.8	6.25	-138	0.200	2.60	2.46
	0953	0.9	1.4	0.19	2.79	24.5	6.30	-153	0.196	4.23	2.89
	0958	0.9	2.3	0.19	3.78	24.4	6.32	-153	0.199	4.55	1.39
	1003	0.9	3.2	0.19	4.73	24.4	6.34	-153	0.195	5.17	1.19
	1008	0.9	4.1	0.19	4.73	24.5	6.34	-150	0.189	4.29	1.09
	1013	0.9	5.0	0.19	4.76	24.7	6.33	-144	0.182	4.91	1.08
	1018	0.9	5.9	0.19	4.88	24.7	6.37	-141	0.183	7.27	1.05
	1023	0.9	6.6	0.19	5.14	24.7	6.42	-140	0.191	5.96	0.99
	1028	0.75	7.25	0.15	5.35	24.8	6.44	-159	0.193	5.83	0.95
	1033	0.75	8.00	0.15	5.55	24.9	6.44	-138	0.198	6.15	0.91
	1038	0.65	8.65	0.13	5.75	24.9	6.42	-136	0.198	7.03	0.82
	1043	0.65	9.30	0.13	5.89	24.8	6.43	-135	0.197	8.04	0.77
	1048	0.65	9.95	0.13	6.07	24.7	6.40	-132	0.191	7.57	0.72
	1053	0.65	10.60	0.13	6.20	24.6	6.39	-132	0.197	6.63	0.68
	1103	1.30	11.90	0.13	6.48	24.6	6.37	-132	0.197	5.52	0.61

☒ 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[3] (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)**

[3] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/12/15
WELL NO:	GW-20S	SAMPLE ID:	GW-20S	QC SAMPLE?	☐ YES ☒ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
H	1108	0.65	12.55	0.13	6.65	24.7	6.35	-133	0.198	6.20	0.63
	1113	0.65	13.20	0.13	6.68	24.8	6.34	-132	0.198	4.90	0.68
	1118	0.65	13.85	0.13	6.69	24.8	6.35	-133	0.199	5.01	0.71
	1123	0.65	14.50	0.13	6.70	24.8	6.32	-132	0.199	5.49	0.73
	1128	0.65	15.15	0.13	6.70	24.5	6.33	-132	0.198	5.35	0.72

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[4] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 6/12/15	SAMPLING INITIATED AT: 1133
PUMP OR TUBING DEPTH IN WELL (feet): 9'	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1217
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		
GW-20S	1	250 mL	PE	None	Ion Scan	PP
GW-20S	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-20S	1	250 mL	PE		Cr^{6+}	PP
GW-20S	2	1 L	AG	None	8270C – SIM	VT
GW-20S	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[4] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	4/12/18
WELL NO:	GW-42I	SAMPLE ID:	GW-42I	QC SAMPLE?	☐ YES ☐ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 0.70	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 – 0.70 feet) X 0.65 liters/foot = 19.4 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (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: 1329	PURGING ENDED AT: 1513	TOTAL VOLUME PURGED (liters): 16.75
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) Xobel ORP (228 mV) ☐ 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1332	0.6	0.6	0.16	1.06	29.1	5.68	16	0.029	8.65	1.34
	1337	0.8	1.4	0.16	1.19	26.3	5.52	26	0.026	5.98	1.75
	1347	1.6	3.0	0.16	1.27	25.5	5.44	40	0.025	1.97	3.25
	1357	1.6	4.6	0.16	1.30	25.2	5.42	43	0.024	1.75	3.20
	1407	1.6	6.2	0.16	1.32	25.1	5.42	45	0.024	1.70	3.56
	1412	0.8	7.0	0.16	1.32	25.2	5.40	49	0.024	1.98	3.98
	1417	0.8	7.8	0.16	1.33	25.5	5.40	51	0.023	2.02	4.23
	1422	0.8	8.6	0.16	1.34	25.1	5.40	56	0.023	1.60	4.35
	1427	0.8	9.4	0.16	1.35	24.9	5.39	56	0.023	2.14	4.61
	1432	0.8	10.2	0.16	1.33	25.4	5.37	60	0.023	2.69	4.91
	1437	0.8	11.0	0.16	1.33	25.8	5.38	63	0.023	1.74	5.18
	1442	0.8	11.8	0.16	1.34	25.6	5.38	64	0.023	1.90	5.15
	1447	0.8	12.6	0.16	1.34	25.6	5.36	65	0.023	2.64	5.42
	1452	0.8	13.4	0.16	1.33	25.4	5.34	68	0.022	2.48	5.54
	1457	0.8	14.2	0.16	1.33	25.3	5.36	71	0.022	3.31	5.65
☒	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[21] (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)**

[21] 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

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/12/15
WELL NO:	GW-42I	SAMPLE ID:	GW-42I	QC SAMPLE?	☐ YES ☒ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1502	0.8	15.0	0.16	1.33	25.0	5.36	73	0.022	3.20	5.79
	1507	0.8	15.8	0.16	1.33	25.0	5.34	76	0.022	3.46	5.80
	1512	0.8	16.6	0.16	1.33	24.9	5.34	75	0.022	2.60	5.85

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[22] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 6/12/15	SAMPLING INITIATED AT: 1517
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1548
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		
GW-42I	1	250 mL	PE	None	Ion Scan	PP
GW-42I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-42I	1	250 mL	PE		Cr^{6+}	PP
GW-42I	2	1 L	AG	None	8270C – SIM	VT
GW-42I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); **VT** = Vacuum Trap; **O** = Other (Specify)

[22] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE: 6-13-18	
WELL NO: GW-31I		SAMPLE ID: GW-31I		QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.16	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 – 1.16 feet) X 0.65 liters/foot ~ 22.19 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (36 feet X .005 liters/foot) + .4 liters ~ .58 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 0819	PURGING ENDED AT: 0939	TOTAL VOLUME PURGED (liters): 30.05
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	XCIRSE5D	

CALIBRATION DETAILS:	Calibration Standards Used:		AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)		Xobel ORP (228 mV)		☐ Previously Calibrated			
Precalibration Readings:	25.17	°C	3.97	SU	291	mV	4.45	mS/cm	0.0	NTU	9.46	mg/L
Calibrated Readings:		°C	3.98	SU	~~4.45~~	mV	4.45	mS/cm	0.0	NTU	9.47	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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
		20	20	—							
	0819	.55	20.55	.11	2.63	23.44	5.44	129	0.096	19.0	2.65
	0824	.55	21.10	.11	3.58	23.21	5.46	140	0.083	18.5	2.26
	0829	.55	21.65	.11	3.98	23.15	5.46	141	0.079	18.3	2.01
	0834	.6	22.25	.12	4.46	23.28	5.50	140	0.076	17.6	1.73
	0839	.6	22.85	.12	4.92	23.28	5.49	142	0.075	17.0	1.72
	0844	.6	23.45	.12	5.17	23.28	5.49	143	0.074	16.7	1.63
	0849	.6	24.05	.12	5.56	23.35	5.49	143	0.074	16.3	1.61
	0854	.6	24.65	.12	5.93	23.36	5.51	141	0.073	15.6	1.52
	0859	.6	25.25	.12	6.28	23.34	5.50	141	0.072	14.7	1.39
	0904	.6	25.85	.12	6.60	23.31	5.49	138	0.072	14.0	1.31
	0909	.6	26.45	.12	6.84	23.40	5.45	136	0.070	13.4	1.46
	0914	.6	27.05	.12	7.09	23.41	5.49	131	0.071	12.8	1.27
	0919	.6	27.65	.12	7.35	23.43	5.49	129	0.070	12.3	1.50
	0924	.6	28.25	.12	7.40	23.43	5.49	126	0.070	11.7	1.23

☒ 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[13] (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)**

[13] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	
WELL NO:	GW-31I	SAMPLE ID:	GW-31I	QC SAMPLE?	☐ YES ☐ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0929	.6	28.85	.12	7.42	23.60	5.49	118	0.070	11.0	1.25
	0934	.6	29.45	.12	7.42	23.66	5.49	115	0.070	10.5	1.28
	0939	.6	30.05	.12	7.42	23.77	5.50	114	0.070	10.7	1.24

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[14] (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:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Drew Jackson ~~R. Hilliard~~ / AECOM	Drew Jackson	6-13-18	0942
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): .12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1015
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		
GW-31I	1	250 mL	PE	None	Ion Scan	PP
GW-31I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-31I	1	250 mL	PE		Cr^{6+}	PP
GW-31I	2	1 L	AG	None	8270C – SIM	VT
GW-31I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS

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 Penstaltic Pump (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[14] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6-13-18
WELL NO:	GW-44I	SAMPLE ID:	GW-44I	QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 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 = (30.66 feet – 3.54 feet) X 0.65 liters/foot = 17.63 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (30 feet X .005 liters/foot) + .4 liters = 0.55 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1358	PURGING ENDED AT: 1523	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	XCIRSE5B	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL. (4.00 SU, 4.49 ms/cm, 0.0 NTU)	Xobel ORP (228 mV)	☒ 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1358	0.6	0.6	.12	4.58	28.06	5.28	47	0.261	9.7	0.79
	1403	0.6	1.2	.12	5.42	26.41	5.24	27	0.262	9.3	0.40
	1408	0.6	1.8	.12	6.40	26.16	5.23	15	0.260	9.0	0.24
	1413	0.6	2.4	.12	7.59	25.97	5.23	7	0.261	8.3	0.14
	1418	0.6	3.0	.12	8.43	25.50	5.22	9	0.263	7.1	0.13
	1423	0.6	3.6	.12	9.12	25.21	5.21	8	0.263	6.3	0.06
	1428	0.6	4.2	.12	10.09	24.84	5.22	8	0.262	5.7	0.02
	1433	0.6	4.8	.12	10.87	24.56	5.21	8	0.263	5.2	0.01
	1438	0.6	5.4	.12	11.22	24.49	5.21	10	0.263	4.7	0.01
	1443	0.6	6.0	.12	11.50	24.60	5.20	12	0.262	4.1	0.01
	1448	0.6	6.6	.12	11.97	24.41	5.20	13	0.262	3.8	0.01
	1453	0.6	7.2	.12	12.33	24.20	5.19	14	0.262	2.7	0.01
	1458	0.6	7.8	.12	12.75	24.21	5.19	14	0.262	2.0	0.01
	1503	0.6	8.4	.12	12.92	24.12	5.17	17	0.262	1.6	0.01
	1508	0.6	9.0	.12	13.05	24.15	5.18	18	0.262	1.2	0.01

☒ 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[25] (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)

[25] 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

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE: 6-13-18	
WELL NO: GW-44I		SAMPLE ID: GW-44I		QC SAMPLE?	☐ YES ☒ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1513	0.6	9.6	.12	13.27	24.26	5.17	27	0.263	0.9	0.01
	1518	0.6	10.2	.12	13.29	24.23	5.16	25	0.263	0.8	0.01
	1523	0.6	10.8	.12	13.30	24.20	5.16	24	0.263	0.8	0.01

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[26] (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: Drew Jackson ~~R. Hilliard~~ / AECOM	SAMPLER(S) SIGNATURES: Drew Jackson	DATE SAMPLED: 6-13-18	SAMPLING INITIATED AT: 1526
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): .12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1550
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		
GW-44I	1	250 mL	PE	None	Ion Scan	PP
GW-44I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-44I	1	250 mL	PE		Cr^{6+}	PP
GW-44I	2	1 L	AG	None	8270C – SIM	VT
GW-44I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[26] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION: 213 Walker Street West Douglas, GA 31533	DATE: 6-12-18	
WELL NO: GW-20I	SAMPLE ID: GW-20I	QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 0.96	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 – 0.96 feet) X 0.65 liters/foot = 21.64 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (40 feet X .005 liters/foot) + 0.4 liters ~~[illegible]~~ 0.6 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1120	TOTAL VOLUME PURGED (liters): 1320
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	XC1RSE5D	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU) ~~Xobel ORP (228 mV)~~ ☐ Previously Calibrated											
Precalibration Readings:	26.91	°C	4.15	SU	310	mV	4.26	mS/cm	0.0	NTU	9.18	mg/L
Calibrated Readings:	27.29	°C	4.01	SU	335	mV	4.50	mS/cm	0.0	NTU	9.15	mg/L

FIELD DATA TABLE

PUMP SETTING / PSI	TIME 1000	VOLUME PURGED (liters)	TOTAL VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	TEMP (°C)	pH (standard units)	OXYGEN REDUCTION POTENTIAL (mV)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	~~0955~~	0.75	0.75	.15	3.34	26.33	5.47	304	0.030	0.00	1.23
	1005	0.75	1.50	.15	4.04	26.13	5.45	306	0.029	17.6	1.14
	1010	0.75	2.25	.15	4.89	25.98	5.55	308	0.028	15.6	1.10
	1015	.75	3.00	.15	5.50	25.96	5.48	312	0.028	16.1	1.05
	1020	.75	3.75	.15	6.31	25.84	5.55	310	0.028	15.8	0.96
	1025	.75	4.50	.15	6.98	25.60	5.57	309	0.028	15.9	0.94
	1030	.75	5.25	.15	7.20	25.85	5.53	312	0.028	16.2	0.91
	1035	.75	6.00	.15	7.65	25.45	5.55	311	0.028	16.1	0.86
	1040	.75	6.75	.15	8.26	25.64	5.52	309	0.027	15.5	0.82
	1045	.75	7.50	.15	8.81	25.44	5.54	305	0.027	15.6	0.81
	1050	.75	8.25	.15	9.31	25.31	5.51	302	0.027	15.3	0.81
	1055	.75	9.00	.15	9.72	25.21	5.56	293	0.027	16.0	0.79
	1100	.75	9.75	.15	10.11	25.15	5.55	287	0.027	16.4	0.78
	1105	.75	10.50	.15	10.49	25.07	5.54	282	0.027	16.0	0.78
	1110	.75	11.25	.15	10.84	25.12	5.56	271	0.027	15.5	0.74

☒ 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[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

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION: 213 Walker Street West Douglas, GA 31533	DATE:	
WELL NO: GW-20I	SAMPLE ID: GW-20I	QC SAMPLE? ☐ YES ☐ NO	ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1115	.75	12.00	.15	11.11	25.08	5.57	266	0.027	15.6	0.79
	1120	~~.75~~ .6	12.60	~~.15~~ .12	11.30	25.09	5.56	264	0.027	15.1	0.80
	1125	.6	13.20	.12	11.62	25.01	5.58	265	0.027	15.6	0.81
	1130										

NOTES:

NOTES:

☐ 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: ~~R. Hilliard~~ / AECOM Drew Jackson	SAMPLER(S) SIGNATURES: Drew Jackson	DATE SAMPLED: 6-12-18	SAMPLING INITIATED AT: 1130
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1208
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		
GW-20I	1	250 mL	PE	None	Ion Scan	PP
GW-20I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-20I	1	250 mL	PE		Cr^{6+}	PP
GW-20I	2	1 L	AG	None	8270C – SIM	VT
GW-20I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[2] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE: 6-12-18	
WELL NO: GW-29S		SAMPLE ID: GW-29S		QC SAMPLE?	☐ YES ☐ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 2.87	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 = (15.16 feet – 2.87 feet) X 0.65 liters/foot = 7.99 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (12 feet X .005 liters/foot) + 0.4 liters = .46 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1358	PURGING ENDED AT: 1533	TOTAL VOLUME PURGED (liters) 24.6
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	XCIRSE5D	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU)	~~Zobel ORP (228 mV)~~	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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1358	0.6	0.6	.12	3.72	31.90	5.68	-88	0.119	322	1.61
	1403	0.6	1.2	.12	4.70	30.22	5.61	-95	0.122	326	1.27
	1408	0.6	1.8	.12	5.22	29.77	5.59	-96	0.120	309	0.62
	1413	0.6	2.4	.12	5.35	29.38	5.56	-97	0.120	261	0.47
	1418	0.6	3.0	.12	5.35	28.96	5.59	-79	0.117	333	0.41
	1423	0.6	3.6	.12	5.35	28.84	5.64	-89	0.133	890	0.34
	1428	0.6	4.2	.12	5.35	28.59	5.66	-110	0.151	>1000	0.27
	1432	0.6	4.8	.12	5.35	28.25	5.71	-119	0.167	>1000	0.23
	1438	0.6	5.4	.12	5.35	28.08	5.71	-121	0.179	>1000	0.20
	1442	0.6	6.0	.12	5.35	27.96	5.74	-120	0.183	>1000	0.19
	1448	0.6	6.6	.12	5.35	27.77	5.75	-113	0.187	>1000	0.17
	1453	2.0	8.6	.4	6.36	24.99	5.60	-121	0.160	>1000	0.16
	1458	2.0	10.6	.4	7.24	25.23	5.64	-124	0.179	>1000	0.16
	1503	2.0	12.6	.4	8.03	24.97	5.71	-130	0.197	>1000	0.14
	1508	2.0	14.6	.4	8.66	24.62	5.71	-135	0.202	>1000	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: Well went dry at 1538. Purged ~ 8 gals. Sampled Following day, 6-13-18

CHEMICAL PARAMETER STABILIZATION CRITERIA[11] (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)

[11] 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

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE: 6-13-18	
WELL NO: GW-29S		SAMPLE ID: GW-29S		QC SAMPLE?	☐ YES ☐ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1513	2.0	16.6	.4	9.25	24.27	5.46	-89	0.136	>1000	0.06
	1518	2.0	18.6	.4	9.92	23.48	5.37	-72	0.127	>1000	0.07
	1523	2.0	20.6	.4	11.21	23.06	5.42	-109	0.132	>1000	0.04
	1528	2.0	22.6	.4	12.39	22.84	5.50	-120	0.139	>1000	0.02
	1533	2.0	24.6	.4	13.43	22.93	5.48	-99	0.144	>1000	0.04

NOTES: ~~Comp~~ Conducted sampling on 6-13-18 @ 1045 am, due to well purged dry on 6-12-18.

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[12] (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: ~~R. Hilliard~~ Drew Jackson / AECOM	SAMPLER(S) SIGNATURES: Drew Jackson	DATE SAMPLED: ~~6-12-18~~ 6-13-18 DJ	SAMPLING INITIATED AT: 1045
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): .12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1120
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		
GW-29S	1	250 mL	PE	None	Ion Scan	PP
GW-29S	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-29S	1	250 mL	PE		Cr^{6+}	PP
GW-29S	2	1 L	AG	None	8270C – SIM	VT
GW-29S	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[12] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6-13-18
WELL NO:	GW-41S	SAMPLE ID:	GW-41S	QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.60	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 = (15.50 feet – 1.60 feet) X 0.65 liters/foot = 9.04 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (14 feet X .005 liters/foot) + .4 liters = .47 Liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1221 ~~1215~~ DJ	PURGING ENDED AT: 1252	TOTAL VOLUME PURGED (liters): 4.2
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	XCIRSE5D	

CALIBRATION DETAILS:	Calibration Standards Used:	AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU)	Xobel ORP (228 mV)	☒ 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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1221	.6	.6	.12	1.96	25.42	5.56	136	0.102	1.28	2.58
	1226	.6	1.2	.12	1.97	24.91	5.53	139	0.102	0.91	1.24
	1231	.6	1.8	.12	1.99	24.84	5.49	139	0.100	0.35	0.96
	1236	.6	2.4	.12	2.02	24.72	5.47	135	0.097	0.19	0.76
	1241	.6	3.0	.12	2.02	24.28	5.43	132	0.095	0.29	0.57
	1246	.6	3.6	.12	2.02	24.26	5.40	135	0.090	0.59	0.51
	1251	.6	4.2	.12	2.02	24.47	5.38	141	0.089	0.15	0.48
	~~1256~~	~~.6~~	~~4.8~~	~~.12~~							

☐ 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[19] (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)

[19] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6-13-18
WELL NO:	GW-41S	SAMPLE ID:	GW-41S	QC SAMPLE?	☐ YES ☒ NO ID

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[20] (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: ~~R. Hilliard~~ Drew Jackson / AECOM	SAMPLER(S) SIGNATURES: Drew Jackson	DATE SAMPLED: 6-13-18	SAMPLING INITIATED AT: 1255
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): .12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1321
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		
GW-41S	1	250 mL	PE	None	Ion Scan	PP
GW-41S	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-41S	1	250 mL	PE		Cr^{6+}	PP
GW-41S	2	1 L	AG	None	8270C – SIM	VT
GW-41S	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[20] 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: Walker St, Douglas, GA	SITE LOCATION: Douglas, GA		DATE: 6-12-18
WELL ID: GW-29S	SAMPLE ID: GW-29S	QC SAMPLE?	☐ YES ☒ NO	ID:

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)
	1538	~~2.0~~ 2.75	~~26.6~~ 26.6	~~2.75~~ 4.55	well	ran	dry.				
	1543	~~2.0~~ 2.75	~~28.6~~ 30.1	~~2.75~~ 4.55							
	1548	~~2.0~~ 2.75	~~30.6~~ 32.85	~~2.75~~ 4.55							

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[3] (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)

[3] 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.

THIS PAGE INTENTIONALLY LEFT BLANK

AECOM GROUNDWATER SAMPLING LOG

SITE NAME	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION	213 Walker Street West Douglas, GA 31533	DATE	6/13/18
WELL NO	GW-32I	SAMPLE ID	GW-32I	QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches) 2	WELL SCREEN INTERVAL DEPTH 25 feet to 35 feet	STATIC DEPTH TO WATER (feet) 2.73	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 – 2.73 feet) X 0.65 liters/foot ~ 21.0 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (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 0808	PURGING ENDED AT 1009	TOTAL VOLUME PURGED (liters) 14.5
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)		~~Xobel ORP (220 mV)~~		☐ Previously Calibrated			
Precalibration Readings	24.5 °C	4.03 SU	286 mV	4.43 mS/cm	0.71 NTU	9.52 mg/L				
Calibrated Readings	24.5 °C	4.01 SU	288 mV	4.45 mS/cm	0.00 NTU	8.75 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0813	0.6	0.6	0.12	3.28	23.1	4.51	213	0.199	35.0	1.84
	0823	1.2	1.8	0.12	4.66	22.6	4.43	153	0.197	13.0	0.94
	0833	1.2	3.0	0.12	5.76	22.5	4.41	138	0.197	6.47	0.78
	0843	1.2	4.2	0.12	5.92	22.9	4.42	118	0.197	3.82	0.98
	0853	1.2	5.4	0.12	6.08	23.0	4.44	130	0.200	3.54	1.18
	0858	0.6	6.0	0.12	6.27	22.8	4.44	132	0.200	3.79	1.29
	0903	0.6	6.6	0.12	6.49	22.7	4.44	135	0.200	3.07	1.52
	0908	0.6	7.2	0.12	6.67	22.9	4.46	125	0.201	3.99	1.75
	0913	0.6	7.8	0.12	6.80	22.9	4.46	133	0.202	3.44	2.03
	0918	0.6	8.4	0.12	6.84	23.1	4.48	140	0.204	3.83	2.28
	0923	0.6	9.0	0.12	6.98	23.0	4.48	136	0.206	3.67	2.54
	0928	0.6	9.6	0.12	7.05	23.5	4.50	113	0.209	3.29	2.61
	0933	0.6	10.2	0.12	7.13	23.5	4.50	129	0.206	3.37	2.76
	0938	0.6	10.8	0.12	7.14	23.7	4.51	136	0.207	3.36	2.85
	0943	0.6	11.4	0.12	7.15	24.3	4.52	113	0.210	4.07	3.07

☐ 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[15] (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)**

[15] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE	6/13/18
WELL NO:	GW-32I	SAMPLE ID	GW-32I	QC SAMPLE?	☐ YES ☐ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0948	0.6	12.0	0.12	7.16	24.1	4.52	130	0.208	3.97	3.35
	0953	0.6	12.6	0.12	7.17	24.5	4.52	120	0.209	4.56	3.18
	0958	0.6	13.2	0.12	7.16	24.5	4.53	132	0.208	3.09	3.46
	1003	0.6	13.8	0.12	7.16	24.3	4.53	133	0.208	3.74	3.53
	1008	0.6	14.4	0.12	7.16	24.4	4.53	134	0.209	3.20	3.50

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[16] (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:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
R. Hilliard / AECOM	[signature]	6/13/18	1012
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1050
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		
GW-32I	1	250 mL	PE	None	Ion Scan	PP
GW-32I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-32I	1	250 mL	PE		Cr^{6+}	PP
GW-32I	2	1 L	AG	None	8270C – SIM	VT
GW-32I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[16] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE	6/13/18
WELL NO:	GW-43I	SAMPLE ID:	GW-43I	QC SAMPLE?	☒ YES ☐ NO ID: GW-43I MS/MSD

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 1.69	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 – 1.69 feet) X 0.65 liters/foot = 18.9 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (.35 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: 1107	PURGING ENDED AT: 1217	TOTAL VOLUME PURGED (liters): 11.2
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)	Xobel ORP (228 mV)	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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1111	0.6	0.6	0.15	2.04	28.8	4.97	89	0.085	18.1	1.38
	1121	1.6	2.2	0.16	2.65	25.2	4.93	30	0.089	6.44	0.49
	1131	1.6	3.8	0.16	2.88	25.1	4.93	22	0.088	5.67	0.22
	1141	1.6	5.4	0.16	3.00	25.0	4.94	21	0.086	3.03	0.09
	1146	0.8	6.2	0.16	3.05	24.9	4.94	19	0.085	1.34	0.03
	1151	0.8	7.0	0.16	3.09	24.8	4.93	29	0.083	1.92	0
	1156	0.8	7.8	0.16	3.10	24.7	4.92	18	0.083	0.85	0
	1201	0.8	8.6	0.16	3.12	24.8	4.93	16	0.083	1.13	0
	1206	0.8	9.4	0.16	3.14	24.8	4.93	18	0.082	0.64	0
	1212	0.8	10.2	0.16	3.13	24.8	4.93	20	0.081	0.49	0
	1216	0.8	11.0	0.16	3.13	24.7	4.92	21	0.081	0.43	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[23] (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)**

[23] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/13/18
WELL NO:	GW-43I	SAMPLE ID:	GW-43I	QC SAMPLE?	☒ YES ☐ NO ID: GW-43I MS/MSD

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[24] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 6/13/18	SAMPLING INITIATED AT: 1223
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.16/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1349
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 # CONTAINERS	VOLUME	MATERIAL CODE	SAMPLE PRESERVATION PRESERVATIVE USED	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GW-43I/MS/MSD	3	250 mL	PE	None	Ion Scan	PP
GW-43I/MS/MSD	3	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-43I/MS/MSD	3	250 mL	PE		Cr^{6+}	PP
GW-43I/MS/MSD	6	1 L	AG	None	8270C – SIM	VT
GW-43I/MS/MSD	6	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 Penstaltic Pump (modified straw method); **VT** = Vacuum Trap; **O** = Other (Specify)

[24] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/13/18
WELL NO:	GW-28I	SAMPLE ID:	GW-28I	QC SAMPLE?	☐ YES ☒ NO ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19 feet to 29 feet	STATIC DEPTH TO WATER (feet): 1.21	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 = (29.35 feet – 1.21 feet) X 0.65 liters/foot ~ 18.3 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (40 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: 1415	PURGING ENDED AT: 1529	TOTAL VOLUME PURGED (liters): 13.4
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)	Xobel ORP (228 mV)	☐ 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1418	0.6	0.6	0.18	1.60	31.6	5.36	195	0.052	18.4	32.13
	1428	1.8	2.4	0.18	2.54	25.0	4.95	286	0.055	16.9	29.55
	1438	1.8	4.2	0.18	2.92	24.4	4.99	300	0.058	14.7	29.54
	1448	1.8	6.0	0.18	3.08	24.1	5.01	304	0.060	12.5	28.12
	1453	0.9	6.9	0.18	3.14	23.7	5.02	306	0.061	11.4	28.14
	1458	0.9	7.8	0.18	3.19	23.4	5.02	308	0.061	11.5	27.28
	1503	0.9	8.7	0.18	3.21	23.9	5.04	308	0.061	11.4	27.04
	1508	0.9	9.6	0.18	3.23	23.7	5.04	309	0.062	10.0	27.17
	1513	0.9	10.5	0.18	3.22	23.9	5.05	310	0.064	10.3	26.44
	1518	0.9	11.4	0.18	3.22	23.5	5.05	311	0.062	10.0	26.65
	1523	0.9	12.3	0.18	3.22	23.5	5.06	312	0.062	10.2	26.42
	1528	0.9	13.2	0.18	3.22	23.6	5.06	312	0.062	10.0	26.39

☐ 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[9] (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)

[9] Region4 US Environmental Protection Agency Science and Ecosystem Support Division Operating Procedure for Groundwater Sampling (SESDPROC-301-R3), Section 3.2.1.1.2.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/13/18
WELL NO:	GW-28I	SAMPLE ID:	GW-28I	QC SAMPLE?	☐ YES ☒ NO
ID:					

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[10] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURE(S): [signature]	DATE SAMPLED: 6/13/18	SAMPLING INITIATED AT: 1533
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.18/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1604
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		
GW-28I	1	250 mL	PE	None	Ion Scan	PP
GW-28I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-28I	1	250 mL	PE		Cr^{6+}	PP
GW-28I	2	1 L	AG	None	8270C – SIM	VT
GW-28I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[10] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/14/18
WELL NO:	GW-24I	SAMPLE ID:	GW-24I	QC SAMPLE?	☐ YES ☒ NO — ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 2.47	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 – 2.47 feet) X 0.65 liters/foot ~ 21.2 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = 0 L + (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: 0737	PURGING ENDED AT: 0901	TOTAL VOLUME PURGED (liters): 14
WATER QUALITY INSTRUMENT(S):	Horiba U-53	SERIAL NO(S):	VRJ7FF8J	

CALIBRATION DETAILS:	Calibration Standards Used: AutoCAL (4.00 SU, 4.49 ms/cm, 0.0 NTU) ~~Zobel ORP (228 mV)~~ ☐ Previously Calibrated					
Precalibration Readings:	23.9 °C	3.98 SU	293 mV	4.47 mS/cm	0.00 NTU	9.45 mg/L
Calibrated Readings:	24.0 °C	4.00 SU	292 mV	4.49 mS/cm	0.00 NTU	9.03 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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	0735	0.6	0.6	0.15	2.98	23.0	5.02	-2	0.058	5.16	2.19
	0745	2	2.6	0.20	4.73	22.3	5.63	-95	0.053	1.26	0.57
	0755	1.5	4.1	0.15	5.94	22.2	5.65	-113	0.057	2.17	0.08
	0805	1.5	5.6	0.15	6.62	22.3	5.66	-114	0.054	1.44	0.12
	0815	1.5	7.1	0.15	7.27	22.5	5.64	-109	0.054	0.84	0.03
	0820	0.75	7.75	0.15	7.57	22.4	5.61	-103	0.054	0.98	0.03
	0825	0.75	8.50	0.15	7.79	22.4	5.62	-98	0.055	1.41	0.04
	0830	0.75	9.25	0.15	7.96	22.4	5.60	-90	0.055	1.39	0.04
	0835	0.75	10.0	0.15	8.10	22.5	5.60	-90	0.055	1.15	0.06
	0840	0.75	10.75	0.15	8.06	22.7	5.58	-81	0.056	1.26	0.08
	0845	0.75	11.50	0.15	8.05	22.9	5.57	-78	0.056	1.68	0.12
	0850	0.75	12.25	0.15	8.05	22.8	5.54	-73	0.056	2.04	0.15
	0855	0.75	13.00	0.15	8.05	22.7	5.55	-71	0.056	1.84	0.17
	0900	0.75	13.75	0.15	8.05	22.8	5.54	-71	0.057	1.96	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:

CHEMICAL PARAMETER STABILIZATION CRITERIA[5] (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)

[5] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/14/18
WELL NO:	GW-24I	SAMPLE ID:	GW-24I	QC SAMPLE?	☐ YES ☐ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[a] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURE(S): [signature]	DATE SAMPLED: 6/14/18	SAMPLING INITIATED AT: 0904
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.15/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0940
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		
GW-24I	1	250 mL	PE	None	Ion Scan	PP
GW-24I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-24I	1	250 mL	PE		Cr^{6+}	PP
GW-24I	2	1 L	AG	None	8270C – SIM	VT
GW-24I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[a] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION	213 Walker Street West Douglas, GA 31533	DATE	6/14/18
WELL NO	GW-33I	SAMPLE ID	GW-33I	QC SAMPLE?	☒ YES ☐ NO ID: DUP-1

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.08	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 – 1.08 feet) X 0.65 liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (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: 0955	PURGING ENDED AT: 1131	TOTAL VOLUME PURGED (liters): 12.3
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)	Xobel ORP (228 mV)	☐ 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)	SPECIFIC COND (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1000	0.6	0.6	0.13	1.20	26.2	5.58	26	0.052	15.3	10.13
	1010	1.3	1.9	0.13	1.41	24.2	5.53	113	0.053	21.8	9.01
	1020	1.3	3.2	0.13	1.46	24.0	5.57	131	0.057	21.0	9.06
	1030	1.3	4.5	0.13	1.45	24.0	5.48	145	0.057	16.5	9.63
	1040	1.3	5.8	0.13	1.44	24.2	5.44	156	0.050	16.7	9.95
	1050	1.3	7.1	0.13	1.44	24.4	5.43	170	0.048	9.23	11.20
	1100	1.3	8.4	0.13	1.43	24.5	5.41	179	0.048	7.70	11.68
	1105	0.65	9.0	0.13	1.43	24.4	5.39	185	0.047	7.59	12.31
	1110	0.65	9.7	0.13	1.43	24.6	5.39	189	0.047	6.89	12.62
	1115	0.65	10.3	0.13	1.43	24.5	5.38	192	0.046	7.65	12.74
	1120	0.65	10.9	0.13	1.43	24.4	5.35	200	0.045	6.32	13.04
	1125	0.65	11.5	0.13	1.43	24.5	5.36	201	0.045	5.30	13.89
	1130	0.65	12.2	0.13	1.43	24.6	5.35	201	0.045	5.44	13.93

☐ 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[17] (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)

[17] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/14/18
WELL NO:	GW-33I	SAMPLE ID	GW-33I	QC SAMPLE?	X YES ☐ NO — ID: DUP-1

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[18] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURE(S): [signature]	DATE SAMPLED: 6/14/18	SAMPLING INITIATED AT: 1135
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.13	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1228
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: # CONTAINERS	VOLUME	MATERIAL CODE	SAMPLE PRESERVATION: PRESERVATIVE USED	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
DUP-1/GW-33I	2	250 mL	PE	None	Ion Scan	PP
" GW-33I	2	250 mL	PE	HNO3	Total RCRA Metals	PP
" GW-33I	2	250 mL	PE		Cr^{6+}	PP
" GW-33I	4	1 L	AG	None	8270C – SIM	VT
" GW-33I	4	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[18] 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.

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE	6/14/18
WELL NO:	GW-27I	SAMPLE ID	GW-27I	QC SAMPLE?	YES / NO (X) ID

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH. 19.5 feet to 29.5 feet	STATIC DEPTH TO WATER (feet): 1.57	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 = (29.65 feet – 1.57 feet) X 0.65 liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = PUMP VOLUME + (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = Ø L + (35 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: 1321	PURGING ENDED AT: 1436	TOTAL VOLUME PURGED (liters): 13.1
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)	Xobel ORP (228 mV)	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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)
	1325	0.4	0.4	0.15	1.88	34.2	6.19	-130	0.184	5.66	1.68
	1340	2.25	2.75	0.15	3.15	24.7	5.99	-141	0.212	1.76	0.35
	1350	1.5	4.25	0.15	3.53	23.8	5.97	-141	0.209	1.57	0.08
	1400	1.5	5.75	0.15	3.87	23.2	5.94	-138	0.202	1.07	0
	1410	1.5	7.25	0.15	4.03	22.7	5.89	-132	0.194	0.86	0
	1415	0.75	8.00	0.15	4.02	22.6	5.83	-129	0.191	0.61	0
	1420	0.75	8.75	0.15	4.02	22.6	5.81	-126	0.189	0.70	0
	1425	0.75	9.50	0.15	4.02	22.6	5.78	-124	0.188	0.33	0
	1430	0.75	10.25	0.15	4.02	23.1	5.75	-123	0.188	0.55	0
	1435	0.75	13.0	0.15	4.02	23.4	5.73	-122	0.188	0.47	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[7] (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)**

[7] 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

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	Georgia Department of Transportation Former Maintenance Facility	SITE LOCATION:	213 Walker Street West Douglas, GA 31533	DATE:	6/14/18
WELL NO:	GW-27I	SAMPLE ID:	GW-27I	QC SAMPLE?	☐ YES ☒ NO ID:

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)	SPECIFIC COND. (µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)

NOTES:

NOTES:

☐ CONTINUED ON ADDITIONAL SHEETS

CHEMICAL PARAMETER STABILIZATION CRITERIA[a] (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: R. Hilliard / AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 6/14/18	SAMPLING INITIATED AT: 1439
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.15/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1508
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		
GW-27I	1	250 mL	PE	None	Ion Scan	PP
GW-27I	1	250 mL	PE	HNO3	Total RCRA Metals	PP
GW-27I	1	250 mL	PE		Cr^{6+}	PP
GW-27I	2	1 L	AG	None	8270C – SIM	VT
GW-27I	2	40 mL	CG	HCl	BTEX – 8260	RFPP

REMARKS:

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 (modified straw method); VT = Vacuum Trap; O = Other (Specify)

[a] 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.

September 2018 Sampling Logs

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-01I	SAMPLE ID: GW-01I	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: GW-01I-MS/MSD

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 1.20	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33	PURGING INITIATED AT: 0816	PURGING ENDED AT: 1041	TOTAL VOLUME PURGED (liters): 14.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G91DJGHL	

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:	28.15 °C	4.09	SU	367	mV	4.32	mS/cm	0.68	NTU	12.39	mg/L
Calibrated Readings:	28.26 °C	4.01	SU	374	mV	4.51	mS/cm	0.00	NTU	7.29	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)
2.63	0820	0.0	0.0	0.11	2.95	25.24	5.34	292	0.093	0.00	0.57
2.63	0825	0.5	0.5	0.11	3.62	25.03	5.48	288	0.083	0.00	0.35
2.63	0830	0.5	1.0	0.11	4.30	25.04	5.46	289	0.082	0.00	0.28
2.63	0835	0.5	1.5	0.11	5.08	25.02	5.50	289	0.081	0.00	0.43
2.63	0840	0.5	2.0	0.11	5.62	24.99	5.50	290	0.076	0.00	0.32
2.63	0845	0.5	2.5	0.11	6.28	24.99	5.53	291	0.075	0.00	0.27
2.63	0850	0.5	3.0	0.11	6.91	24.99	5.55	291	0.075	0.00	0.21
2.63	0855	0.5	3.5	0.11	7.45	24.96	5.55	291	0.075	0.00	0.18
2.63	0900	0.5	4.0	0.11	7.96	24.94	5.56	292	0.075	0.00	0.16
2.63	0905	0.5	4.5	0.11	8.47	24.89	5.57	292	0.075	0.00	0.17
2.63	0910	0.5	5.0	0.11	8.97	24.89	5.55	293	0.075	0.00	0.19
2.63	0915	0.5	5.5	0.11	9.53	24.88	5.57	293	0.075	0.00	0.18
2.63	0920	0.5	6.0	0.11	10.00	24.92	5.57	293	0.074	0.00	0.18
2.63	0925	0.5	6.5	0.11	10.47	24.99	5.58	293	0.074	0.00	0.19
2.63	0930	0.5	7.0	0.11	10.95	25.11	5.57	292	0.074	0.00	0.23
2.63	0935	0.5	7.5	0.11	11.34	25.11	5.57	292	0.074	0.00	0.24
2.63	0940	0.5	8.0	0.11	11.70	25.11	5.57	292	0.074	0.00	0.23
2.63	0945	0.5	8.5	0.11	12.21	25.18	5.51	296	0.074	0.00	0.29

☒ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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)
2.63	0950	0.5	9.0	0.11	12.53	25.21	5.55	296	0.074	0.00	0.28
2.63	0955	0.5	9.5	0.11	12.92	25.28	5.59	291	0.074	0.00	0.28
2.63	1000	0.5	10.0	0.11	13.28	25.35	5.56	292	0.074	0.00	0.44
2.63	1005	0.5	10.5	0.11	13.63	25.40	5.59	289	0.074	0.00	0.39
2.63	1010	0.5	11.0	0.11	14.02	25.48	5.59	288	0.074	0.00	0.33
2.63	1015	0.5	11.5	0.11	14.31	25.60	5.58	286	0.075	0.00	0.36
2.63	1020	0.5	12.0	0.11	14.65	25.74	5.55	287	0.074	0.00	0.37
2.63	1025	0.5	12.5	0.11	14.93	25.69	5.50	288	0.074	0.00	0.33
2.63	1030	0.5	13.0	0.11	15.24	25.87	5.55	283	0.074	0.00	0.27
2.63	1035	0.5	13.5	0.11	15.53	25.95	5.56	281	0.074	0.00	0.33
2.63	1040	0.5	14.0	0.11	15.85	26.19	5.58	277	0.074	0.00	0.27

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/13/18	1042
PUMP OR TUBING DEPTH IN WELL (feet): 33	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1048
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-01F-MS/MSD~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
~~——~~	~~2~~	~~1 L~~	~~AG~~	~~None~~	~~8270C-SIM~~	~~VT~~
GW-01F-MS/MSD	2	40 mL	CG	HCl	8260 – BTEX	RFPP

REMARKS: 9/20/18: LAB CONTACTED TO ANALYZE SAMPLE FOR VOCs (full TCL list) INSTEAD OF JUST BTEX

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 – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-3I	SAMPLE ID: GW-3I	QC Sample Collected: Yes ☐ No ☐	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 3.64	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 = (34.58 feet – 3.64 feet) x 0.65 liters/foot = 20.1 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: 1543	PURGING ENDED AT: 1727	TOTAL VOLUME PURGED (liters): 15.3
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	1546	0.6	0.6	0.20	4.22	34.2	5.94	164	0.053	6.44	5.57
4.0	1556	1.5	2.1	0.15	5.77	28.9	5.80	216	0.052	3.84	4.16
4.0	1606	1.5	3.6	0.15	6.71	28.7	5.76	238	0.053	2.93	4.01
4.0	1616	1.5	5.1	0.15	7.39	29.0	5.77	250	0.052	3.36	3.95
4.0	1626	1.5	6.6	0.15	7.90	28.5	5.77	260	0.052	4.93	3.92
4.0	1636	1.5	8.1	0.15	8.32	28.0	5.78	269	0.052	3.90	4.00
4.0	1646	1.5	9.6	0.15	8.67	28.0	5.77	275	0.052	3.91	4.09
4.0	1656	1.5	11.1	0.15	8.89	27.9	5.76	281	0.051	4.49	4.12
4.0	1701	0.75	11.9	0.15	9.13	27.6	5.76	283	0.051	4.93	4.10
4.0	1706	0.75	12.6	0.15	9.17	27.6	5.77	284	0.051	5.23	4.09
4.0	1711	0.75	13.4	0.15	9.22	27.8	5.76	286	0.051	5.24	4.11
3.5	1716	0.6	14.0	0.12	9.22	27.9	5.77	286	0.051	4.33	4.32
3.5	1721	0.6	14.6	0.12	9.21	28.3	5.76	286	0.051	4.83	4.27
3.5	1726	0.6	15.2	0.12	9.21	28.4	5.75	288	0.051	4.65	4.25

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-3I	SAMPLE ID: GW-3I	DATE: 9/12/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 1730
PUMP OR TUBING DEPTH IN WELL (feet): 29'	SAMPLE PUMP FLOW RATE (L per minute): 0.12/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1755
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		
~~1~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-3I	2	1 L	AG	None	8270C-SIM	VT
GW-3I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-6I	SAMPLE ID: GW-6I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: —

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 3.12	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 feet – 3.12 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): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:28	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL7B1	

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	13:32	0.5	0.5	0.15	3.76	31.64	5.10	365	0.080	5.94	14.70
	13:42	1.5	2.0	0.15	5.64	30.89	5.07	371	0.079	4.31	14.61
	13:52	1.5	3.5	0.15	7.13	29.56	5.01	383	0.078	3.38	14.37
	14:02	1.5	5.0	0.15	8.34	29.06	4.98	383	0.079	2.95	14.04
	14:07	0.75	5.75	0.15	8.74	29.07	4.97	385	0.080	2.56	13.57
	14:12	0.75	6.5	0.15	9.27	29.13	4.96	385	0.080	2.53	13.40
	14:17	0.75	7.25	0.15	9.91	29.30	4.96	388	0.080	2.18	13.00
	14:22	0.75	8.0	0.15	10.13	29.40	4.96	389	0.080	2.21	12.81
	14:27	0.75	8.75	0.15	10.51	29.28	4.97	388	0.080	2.03	12.69
	14:32	0.75	9.5	0.15	10.94	29.12	4.96	387	0.080	1.83	12.76
	14:37	0.75	10.25	0.15	11.17	28.85	4.97	386	0.080	1.89	12.97
	14:42	0.75	11.0	0.15	11.51	28.83	4.99	387	0.079	1.85	13.12
	14:47	0.75	11.75	0.15	11.75	28.89	4.99	388	0.079	1.88	13.07
	14:52	0.75	12.5	0.15	12.01	29.11	5.00	392	0.078	1.65	12.94
	14:57	0.75	13.25	0.15	12.25	29.07	5.02	396	0.076	1.72	12.91
	15:02	0.75	14.0	0.15	12.41	29.92	5.03	398	0.076	1.79	12.95
	15:07	0.75	14.75	0.15	12.62	28.86	5.04	401	0.076	1.47	12.95
	15:12	0.75	15.5	0.15	12.79	28.75	5.04	401	0.076	1.82	13.02

☑ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-6I	SAMPLE ID: GW-6I	DATE: 9/11/18	

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	15:17	0.75	16.25	0.15	12.91	28.53	5.05	401	0.076	1.58	13.18
4.0	15:22	0.75	17.0	0.15	13.01	28.45	5.05	401	0.076	1.46	13.34
3.7	15:27	0.70	17.7 ~~18.5~~	0.12	13.23	28.44	5.05	404	0.075	1.32	13.21
3.7	15:32	0.70	18.4 ~~2~~	0.12	13.23	28.55	5.06	405	0.074	1.32	13.08
3.7	15:37	0.70	19.1	0.12	13.23	28.65	5.06	404	0.074	1.30	13.11

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Jamie VanTassell/AECOM	Jamie VanTassell	9/11/18	15:40
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.15	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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-6I	2	1 L	AG	None	8270C-SIM	VT
GW-6I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA	DATE: 9/13/18
WELL NO: GW-65	SAMPLE ID: GW-65	QC Sample Collected: Yes ☐ No ☐	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.89	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 – 4.85 feet) X 0.65 liters/foot = 6.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (25 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: 1312	PURGING ENDED AT: 1509	TOTAL VOLUME PURGED (liters): 14.9
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)
3.5	1318	0.5	0.5	0.14	5.16	32.3	6.29	-48	0.379	10.7	0.38
3.5	1328	1.4	2.2	0.14	5.54	29.4	6.27	-54	0.374	9.77	0.48
3.5	1338	1.4	3.6	0.14	5.91	29.0	6.30	-54	0.370	7.23	0.52
3.5	1343	0.7	4.3	0.14	6.06	29.0	6.31	-54	0.370	7.51	0.50
3.5	1348	0.7	5.0	0.14	6.23	29.0	6.33	-55	0.367	7.36	0.51
3.5	1353	0.7	5.7	0.14	6.40	29.4	6.33	-56	0.367	7.75	0.52
3.5	1358	0.7	6.4	0.14	6.57	29.4	6.33	-54	0.369	8.40	0.52
3.5	1403	0.7	7.1	0.14	6.73	29.3	6.32	-53	0.372	9.46	0.53
3.5	1408	0.7	7.8	0.14	6.88	29.1	6.32	-53	0.366	10.1	0.53
3.5	1413	0.7	8.5	0.14	7.03	29.2	6.30	-51	0.363	9.58	0.49
3.5	1418	0.7	9.2	0.14	7.21	29.2	6.30	-46	0.357	10.3	0.46
3.5	1423	0.7	9.9	0.14	7.38	29.3	6.25	-45	0.340	10.5	0.45
3.5	1428	0.7	10.6	0.14	7.56	29.3	6.23	-45	0.337	9.38	0.42
3.5	1433	0.7	11.3	0.14	7.69	29.2	6.22	-43	0.330	8.75	0.41
3.0	1438	0.5	11.8	0.1	7.81	29.2	6.19	-40	0.324	8.29	0.43
3.0	1443	0.5	12.3	0.1	7.93	29.1	6.18	-38	0.319	8.02	0.43
3.0	1448	0.5	12.8	0.1	8.00	29.0	6.16	-35	0.312	7.81	0.43
3.0	1453	0.5	13.3	0.1	8.03	29.1	6.14	-33	0.306	7.49	0.43

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA
WELL NO: GW-65	SAMPLE ID: GW-65	DATE: 9/13/18

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	1458	0.5	13.8	0.1	8.05	29.5	6.13	-33	0.307	7.02	0.44
3.0	1503	0.5	14.3	0.1	8.06	29.6	6.13	-32	0.304	6.17	0.45
3.0	1508	0.5	14.8	0.1	8.06	29.6	6.12	-31	0.302	5.52	0.47
☐	CONTINUED ON ADDITIONAL SHEETS										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillware /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1511
PUMP OR TUBING DEPTH IN WELL (feet): 10'	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1542
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION: # CONTAINERS	VOLUME	MATERIAL CODE	SAMPLE PRESERVATION: PRESERVATIVE USED	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
~~RH GW-65~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-65	2	1 L	AG	None	8270C-SIM	VT
GW-65	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/11/18
WELL NO: GW-6D	SAMPLE ID: GW-6D	QC Sample Collected:	Yes ☐ No ☑	QC Sample ID:	—

PURGING DATA

WELL DIAMETER (Inches): 2"	WELL SCREEN INTERVAL DEPTH: 58 feet to 68 feet	STATIC DEPTH TO WATER (feet): 3.41	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 = (68 feet – 3.41 feet) X 0.65 liters/foot – 41.9 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): 60	PURGING INITIATED AT: 11:43	PURGING ENDED AT: 12:49	TOTAL VOLUME PURGED (liters): 14.25
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHLTB1	

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)
5.98	11:49	0	0	0.25	4.11	28.63	5.65	245	0.031	19.3	4.96
5.98	11:49	1.25	1.25	0.25	5.00	27.83	5.59	263	0.029	7.75	4.79
5.98	11:54	1.25	2.5	0.25	5.67	27.04	5.49	299	0.027	4.29	4.49
5.98	11:59	1.25	3.75	0.25	6.08	26.59	5.44	319	0.027	1.20	4.47
5.98	12:04	1.25	4.0	0.25	6.39	26.43	5.39	341	0.026	1.20	4.56
5.98	12:09	1.25	5.25	0.25	6.54	26.14	5.39	348	0.026	8.73	4.55
5.98	12:14	1.25	6.5	0.25	6.67	26.17	5.39	350	0.026	12.7	4.54
5.98	12:19	1.25	7.75	0.25	6.75	26.25	5.39	355	0.026	12.7	4.50
5.98	12:24	1.25	8.0	0.25	6.82	26.32	5.40	359	0.026	12.6	4.45
5.98	12:29	1.25	9.25	0.25	6.85	26.29	5.41	361	0.026	11.4	4.40
5.98	12:34	1.25	10.5	0.25	6.87	26.42	5.42	364	0.026	11.4	4.33
5.98	12:39	1.25	11.75	0.25	6.89	26.14	5.45	366	0.026	9.58	4.32
5.98	12:44	1.25	13.0	0.25	6.89	26.13	5.45	367	0.026	9.27	4.30
5.98	12:49	1.25	14.25	0.25	6.89	26.14	5.46	368	0.026	8.20	4.24

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell/AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 12:55
PUMP OR TUBING DEPTH IN WELL (feet): 60	SAMPLE PUMP FLOW RATE (L per minute): 0.20	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 13:10
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-GD	2	1 L	AG	None	8270C-SIM	VT
~~—~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-11I	SAMPLE ID: GW-11 I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 14 feet to 24 feet	STATIC DEPTH TO WATER (feet): 7.53	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 = (29.57 feet – 7.53 feet) X 0.65 liters/foot – 10.4 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): 19'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1641	PURGING ENDED AT: 1757	TOTAL VOLUME PURGED (liters): 15.6
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	1645	0.6	0.6	0.15	8.10	33.7	5.42	145	0.087	2.20	0.80
6.0	1655	2.5	3.1	0.25	9.78	28.0	5.13	160	0.086	2.82	0.20
6.0	1705	2.5	5.6	0.25	10.38	27.9	5.12	162	0.085	2.25	0.23
6.0	1715	2.5	8.1	0.25	10.62	27.7	5.11	163	0.085	1.71	0.21
6.0	1720	1.25	9.35	0.25	10.69	27.7	5.11	163	0.086	1.60	0.20
6.0	1725	1.25	10.60	0.25	10.74	27.7	5.11	165	0.086	1.93	0.20
6.0	1730	1.25	11.85	0.25	10.79	27.7	5.10	166	0.086	1.74	0.21
6.0	1735	1.25	13.10	0.25	10.84	27.7	5.10	167	0.087	1.44	0.19
5.5 ~~6.0~~	1740	1.10	14.20	0.22	10.77	27.6	5.10	169	0.087	1.49	0.15
5.5	1745	1.10	15.30	0.22	10.74	27.5	5.10	171	0.086	1.72	0.14
5.5	1750	1.10	15.40	0.22	10.72	27.6	5.10	172	0.086	1.28	0.15

☐ 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:
1730 - Decrease flow rate from 0.25 LPM to 0.22 LPM.

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-11 I	SAMPLE ID: GW-11I	DATE: 9/13/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1753
PUMP OR TUBING DEPTH IN WELL (feet): 191	SAMPLE PUMP FLOW RATE (L per minute): 0.22/0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1720
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~ RH
GW-11I	2	1 L	AG	None	8270C-SIM	VT
GW-11I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-119	SAMPLE ID: GW-119	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 3 feet to 11 feet	STATIC DEPTH TO WATER (feet): 7.51	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 = (11.80 feet – 7.51 feet) X 0.165 liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (20 feet X 0.05 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: 1102	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)
3.5	1106	0.5	0.5	0.13	7.82	31.9	5.60	138	0.741	54.0	0.55
3.5	1116	1.3	1.8	0.13	8.23	31.3	5.51	203	0.753	27.4	0.41
3.5	1121	0.6	2.4	0.13	8.42	31.2	5.43	208	0.760	21.4	0.42
3.5	1126	0.7	3.1	0.13	8.62	31.1	5.48	214	0.757	17.1	0.41
3.5	1131	0.6	3.7	0.13	8.81	31.0	5.47	207	0.760	13.7	0.36
3.5	1136	0.7	4.4	0.13	9.01	31.2	5.44	201	0.537	8.50	0.34
3.5	1141	0.6	5.0	0.13	9.18	31.3	5.50	166	0.535	43.5	0.35
3.5	1146	0.7	5.7	0.13	9.35	31.3	5.46	197	0.705	7.00	0.38
3.5	1151	0.6	6.3	0.13	9.52	31.4	5.42	213	0.714	5.96	0.36
3.5	1156	0.7	7.0	0.13	9.69	31.3	5.40	226	0.699	4.58	0.37
3.5	1201	0.6	7.6	0.13	9.87	31.3	5.41	168	0.667	7.95	0.36
3.5	1206	0.7	8.3	0.13	10.14	31.5	5.50	132	0.672	41.8	0.35
1225 - Dry @ 12.25 L.											

☐ 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:

0.6 gal x 2.74 = 0.5

1127 - Lower tubing to 9.5' bls.
1137 - Lower tubing to 10' bls.
1202 - Lower tubing to 10.5' bls
1207 - Lower tubing to bottom and Pump dry.

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-11S	SAMPLE ID: GW-11S	DATE: 9/13/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1830
PUMP OR TUBING DEPTH IN WELL (feet): 11.5	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1844
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-11S	2	1 L	AG	None	8270C-SIM	VT
~~—~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – BTEX~~	~~RFPP~~

REMARKS: R25 - Recharged to 8.70' BLS. 3.1 x 0.65 = 2.0 L Sample.

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 – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/12/18
WELL NO: GW-12D	SAMPLE ID: GW-12I	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 48 feet to 58 feet	STATIC DEPTH TO WATER (feet): 22.99	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 = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 54	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 54	PURGING INITIATED AT: 1014	PURGING ENDED AT: 1038	TOTAL VOLUME PURGED (liters): 10
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	J910GJHL	

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)
	1017	0.0	0.0	0.33	23.86	25.58	7.09	201	0.176	0.00	4.15
	1022	2.0	2.0	0.14	23.87	24.95	7.27	199	0.175	0.00	3.45
	1027	2.0	3.0	0.14	23.86	24.84	7.32	196	0.173	0.00	3.44
	1032	1.0	4.0	0.14	23.88	24.70	7.34	196	0.173	0.00	3.45
	1037	1.0	5.0	0.14	23.90	24.69	7.31	196	0.173	0.00	3.43

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/12/18	1039
PUMP OR TUBING DEPTH IN WELL (feet): 54	SAMPLE PUMP FLOW RATE (L per minute): 0.14	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		
~~1~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-12D	2	1 L	AG	None	8270C-SIM	VT
~~2~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-12I	SAMPLE ID: GW-12I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.64	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 = (1.64 feet – 35 feet) X 0.65 liters/foot = 21.68 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1101	PURGING ENDED AT: 1316	TOTAL VOLUME PURGED (liters): 14
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	J910GJHL	

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)
2.97	1105	0.0	0.0	0.14	2.45	27.19	6.18	222	0.028	0.00	2.62
2.97	1110	0.5	0.5	0.14	2.98	26.76	5.46	263	0.023	0.00	2.37
2.97	1115	1.0	1.5	0.14	3.67	26.63	5.34	263	0.022	0.00	2.32
2.97	1120	0.5	2.0	0.14	4.52	26.56	5.30	291	0.021	0.00	2.36
2.66	1125	0.5	2.5	0.10	4.93	26.55	5.29	296	0.021	0.00	2.26
2.66	1130	0.5	3.0	0.1	5.47	26.62	5.27	304	0.021	0.00	2.24
2.66	1135	0.5	3.5	0.1	5.90	26.72	5.26	309	0.021	0.00	2.17
2.66	1140	0.5	4.0	0.1	6.38	26.74	5.25	312	0.021	0.00	2.17
2.66	1145	0.5	4.5	0.1	6.80	26.85	5.24	316	0.020	0.00	2.09
2.66	1150	0.5	5.0	0.1	7.27	26.79	5.23	318	0.020	0.00	2.07
2.66	1155	0.5	5.5	0.1	7.71	26.58	5.23	320	0.020	0.00	2.09
2.66	1200	0.5	6.0	0.1	8.04	26.56	5.22	319	0.020	0.00	2.06
2.66	1205	0.5	6.5	0.1	8.38	26.81	5.23	322	0.020	0.00	2.05
2.66	1210	0.5	7.0	0.1	8.71	26.66	5.22	324	0.020	0.00	2.02
2.66	1215	0.5	7.5	0.1	9.03	26.56	5.21	325	0.020	0.00	2.03
2.66	1220	0.5	8.0	0.1	9.39	26.66	5.21	326	0.020	0.00	2.02
2.66	1225	0.5	8.5	0.1	9.62	26.73	5.20	325	0.020	0.00	1.98
2.66	1230	0.5	9.0	0.1	9.91	26.95	5.20	329	0.020	0.00	1.93

☒ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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)
2.66	1235	0.5	9.5	0.1	10.22	26.94	5.20	330	0.020	0.00	1.93
2.66	1240	0.5	10.0	0.1	10.48	26.71	5.20	331	0.020	0.00	1.91
2.66	1245	0.5	10.5	0.1	10.73	26.76	5.20	331	0.021	0.00	1.91
2.66	1250	0.5	11.0	0.1	10.97	26.87	5.20	333	0.021	0.00	1.88
2.66	1255	0.5	11.5	0.1	11.17	26.81	5.20	331	0.021	0.00	1.88
2.66	1300	0.5	12.0	0.1	11.35	27.00	5.20	332	0.021	0.00	1.80
2.66	1305	0.5	12.5	0.1	11.67	27.03	5.19	333	0.021	0.00	1.76
2.66	1310	0.5	13.0	0.1	11.76	27.12	5.19	333	0.021	0.00	1.76
2.66	1315	0.5	13.5	0.1	11.92	27.29	5.19	335	0.021	0.00	1.74

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 1317
PUMP OR TUBING DEPTH IN WELL (feet): 30	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) Filtration Equipment Type: ____ FILTER SIZE: ____ µm		DUPLICATE: Y (N)

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
~~[illegible]~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-12I	2	1 L	AG	None	8270C-SIM	VT
GW-12I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/14/18
WELL NO: GW-12S	SAMPLE ID: GW-12S	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.44	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 = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 0728	PURGING ENDED AT: 0853	TOTAL VOLUME PURGED (liters): 9.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	G912JGHL	

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:	26.37	°C	4.15	SU	295	mV	0.000	mS/cm	1.44	NTU	8.23	mg/L
Calibrated Readings:	26.85	°C	4.01	SU	337	mV	4.49	mS/cm	0.00	NTU	8.03	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)
2.71	0732	0.0	0.0	0.1	2.08	24.78	5.00	254	0.069	0.00	1.18
2.71	0737	0.5	0.5	0.1	2.54	24.76	4.80	221	0.063	0.00	0.09
2.71	0742	0.5	1.0	0.1	2.96	24.57	4.76	213	0.051	0.00	0.26
2.71	0747	0.5	1.5	0.1	3.37	24.56	4.85	205	0.039	0.00	0.20
2.71	0752	0.5	2.0	0.1	3.77	24.57	4.89	199	0.036	0.00	2.93
2.71	0757	0.5	2.5	0.1	4.07	24.65	4.91	194	0.034	0.00	0.17
2.71	0802	0.5	3.0	0.1	4.38	24.71	4.95	190	0.033	0.00	0.11
2.71	0807	0.5	3.5	0.1	4.49	24.77	4.96	188	0.033	0.00	0.12
2.71	0812	0.5	4.0	0.1	4.66	24.85	4.97	187	0.032	0.00	0.11
2.71	0817	0.5	4.5	0.1	4.82	24.88	4.97	186	0.032	0.00	0.18
2.71	0822	0.5	5.0	0.1	4.93	24.92	4.98	185	0.031	0.00	5.97
2.71	0827	0.5	5.5	0.1	5.04	24.96	4.99	185	0.032	0.00	6.02
2.71	0832	0.5	6.0	0.1	5.13	25.12	4.98	185	0.031	0.00	0.86
2.71	0837	0.5	6.5	0.1	5.23	25.21	4.98	184	0.032	0.00	5.45
2.71	0842	0.5	7.0	0.1	5.32	25.33	4.98	184	0.032	0.00	0.03
2.71	0847	0.5	7.5	0.1	5.39	25.58	4.98	184	0.031	0.00	0.02
2.71	0852	0.5	8.0	0.1	5.44	25.76	4.98	184	0.031	0.00	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/14/18	0851
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0936
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-12S	2	1 L	AG	None	8270C-SIM	VT
GW-12S	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/14/15
WELL NO: G1W-135	SAMPLE ID: G1W-135	QC Sample Collected: Yes ☐ No ☐	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 1.25 feet to 11.25 feet	STATIC DEPTH TO WATER (feet): 4.50	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 – 4.50 feet) X 0.65 liters/foot – 4.4 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: 0806	PURGING ENDED AT: 0907	TOTAL VOLUME PURGED (liters): 6.1
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	XCDB RXEW/W3J6GDT1	

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:	27.9	°C	4.08	SU	310	mV	4.48	mS/cm	0.00	NTU	5.84 mg/L
Calibrated Readings:	27.7	°C	4.01	SU	314	mV	4.50	mS/cm	0.00	NTU	7.34 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	0811	0.5	0.5	0.1	4.58	26.4	6.46	-98	0.991	30.0	0.59
3.0	0821	1.0	1.5	0.1	4.64	26.9	6.46	-96	0.997	46.8	0.21
3.0	0826	0.5	2.0	0.1	4.67	27.1	6.46	-92	1.02	79.4	0.02
3.0	0831	0.5	2.5	0.1	4.70	27.2	6.46	-95	1.04	33.4	0
3.0	0836	0.5	3.0	0.1	4.73	27.2	6.46	-94	1.04	25.7	0
3.0	0841	0.5	3.5	0.1	4.77	27.5	6.46	-92	1.04	15.1	0
3.0	0846	0.5	4.0	0.1	4.81	27.6	6.46	-90	1.03	10.0	0
3.0	0851	0.5	4.5	0.1	4.84	27.8	6.45	-88	1.02	6.18	0
3.0	0856	0.5	5.0	0.1	4.85	27.9	6.45	-86	1.02	3.80	0
3.0	0901	0.5	5.5	0.1	4.86	28.0	6.45	-85	1.02	3.71	0
3.0	0906	0.5	6.0	0.1	4.86	27.9	6.44	-84	1.01	3.57	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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GWI-135	SAMPLE ID: GWI-135	DATE: 9/14/18	

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard/AECOM	SAMPLER(S) SIGNATURE(S): [signature]	DATE SAMPLED: 9/14/18	SAMPLING INITIATED AT: 0908
PUMP OR TUBING DEPTH IN WELL (feet): 6'	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0932
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		
~~GWI-135~~	~~1~~	~~250 ml~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~
GWI-135	2	1 L	AG	None	8270C-SIM	VT
~~GWI-135~~	~~2~~	~~40 ml~~	~~CG~~	~~HCl~~	~~8260 - 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-14I	SAMPLE ID: GW-14I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 2.80	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 = (30.68 feet – 2.80 feet) X 0.65 liters/foot = 18.1 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): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1304	TOTAL VOLUME PURGED (liters): 11.4
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)
3.4	1144	0.6	0.6	0.13	3.38	33.6	5.60	217	0.090	32.4	2.00
3.8	1154	1.4	2.0	0.14	4.56	29.8	5.19	287	0.091	26.1	1.51
3.8	1204	1.4	3.4	0.14	5.21	29.4	5.15	300	0.089	10.9	1.38
3.8	1209	0.7	4.1	0.14	5.42	29.2	5.16	302	0.091	11.8	1.36
3.8	1214	0.7	4.8	0.14	5.58	29.3	5.16	304	0.091	9.69	1.35
3.8	1219	0.7	5.5	0.14	5.72	29.2	5.14	305	0.090	9.01	1.34
3.8	1224	0.7	6.2	0.14	5.83	29.4	5.18	306	0.091	12.9	1.35
3.8	1229	0.7	6.9	0.14	5.91	29.4	5.18	308	0.091	9.76	1.35
3.8	1234	0.7	7.6	0.14	5.97	29.2	5.18	308	0.091	9.27	1.36
3.8	1239	0.7	8.3	0.14	6.04	29.1	5.19	309	0.091	8.43	1.36
3.8	1244	0.7	9.0	0.14	6.09	29.2	5.19	312	0.091	6.59	1.37
3.6	1249	0.6	9.6	0.12	6.07	29.0	5.19	313	0.091	8.00	1.39
3.6	1254	0.6	10.2	0.12	6.06	29.3	5.20	314	0.092	7.57	1.44
3.6	1259	0.6	10.8	0.12	6.06	29.3	5.19	314	0.091	7.52	1.42
3.6	1304	0.6	11.4	0.12	6.06	29.4	5.19	314	0.092	6.60	1.41

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-14I	SAMPLE ID: GW-14F	DATE: 9/12/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	DATE SAMPLED:	SAMPLING INITIATED AT:
R. Hilliard /AECOM	[signature]	9/12/18	1307
PUMP OR TUBING DEPTH IN WELL (feet): 25'	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1329
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		
~~[illegible]~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~ PD
GW-14I	2	1 L	AG	None	8270C-SIM	VT
GW-14I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/12/18
WELL NO: GKI-14S	SAMPLE ID: GKI-14 S	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 2.67	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 = (12.88 feet – 2.67 feet) X 0.65 liters/foot = 6.4 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): 8'	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1003	PURGING ENDED AT: 1108	TOTAL VOLUME PURGED (liters): 10.3
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)
3.5	1007	0.6	0.6	0.15	2.76	28.4	5.77	275	0.231	21.5	1.12
4.5	1012	1.6	2.2	0.16	2.84	29.6	5.98	245	0.234	18.9	0.75
4.5	1027	1.6	3.8	0.16	2.86	29.9	6.02	241	0.247	14.3	0.65
4.5	1032	0.8	4.6	0.16	2.86	30.1	6.07	238	0.263	9.16	0.62
4.5	1037	0.8	5.4	0.16	2.87	30.2	6.11	236	0.275	5.59	0.59
4.5	1042	0.8	6.2	0.16	2.87	30.2	6.13	233	0.282	3.54	0.57
4.5	1047	0.8	7.0	0.16	2.88	30.2	6.16	232	0.287	2.96	0.59
4.5	1052	0.8	7.8	0.16	2.88	30.4	6.17	230	0.288	2.54	0.58
4.5	1057	0.8	8.6	0.16	2.88	30.5	6.18	229	0.291	2.06	0.57
4.5	1102	0.8	9.4	0.16	2.88	30.4	6.19	229	0.295	1.80	0.57
4.5	1107	0.8	10.2	0.16	2.88	30.5	6.19	228	0.296	1.99	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:

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

Cu

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA
WELL NO: GW-14S	SAMPLE ID: GW-14S	DATE: 9/12/18

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURE(S): [signature]	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 1110
PUMP OR TUBING DEPTH IN WELL (feet): 8'	SAMPLE PUMP FLOW RATE (L per minute): 0.16/0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1131
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~~	~~1~~	~~250 mL~~	~~PE~~	HNO3	~~8-RCRA Metals~~	~~PP~~
GW-14S	2	1 L	AG	None	8270C-SIM	VT
~~GW-14S~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – BTEX~~	~~RFPP~~
GW-14S	2	40 L	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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-15I	SAMPLE ID: GW-15I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ———

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 4.09	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 = (29.4 feet – 4.09 feet) x 0.65 liters/foot – 16.5 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: 12:41	PURGING ENDED AT: 14:00	TOTAL VOLUME PURGED (liters): 11.3
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL1B1	

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	12:45	0.1	0.1	0.15	4.49	29.45	5.11	348	0.037	14.2	0.87
4.0	12:55	1.5	2.5	0.15	5.29	29.26	5.13	325	0.037	12.2	0.80
4.0	13:05	1.5	3.0	0.15	5.93	28.10	5.01	365	0.034	11.3	0.11
4.0	13:10	0.75	3.75	0.15	6.19	27.73	4.98	380	0.034	10.5	0.09
4.0	13:15	0.75	4.5	0.15	6.33	27.58	4.96	386	0.035	10.5	0.02
4.0	13:20	0.75	5.25	0.15	6.48	27.54	4.96	387	0.035	10.3	0.02
4.0	13:25	0.75	6.0	0.15	6.62	27.49	4.96	389	0.035	9.89	0.04
4.0	13:30	0.75	6.75	0.15	6.72	27.45	4.96	390	0.035	9.49	0.00
4.0	13:35	0.75	7.5	0.15	6.88	27.44	4.96	391	0.035	8.98	0.00
4.0	13:40	0.75	8.25	0.15	6.99	27.45	4.95	391	0.035	8.92	0.00
4.0	13:45	0.75	9.0	0.15	7.02	27.43	4.96	391	0.035	8.86	0.00
4.0	13:50	0.75	9.75	0.15	7.14	27.39	4.97	390	0.035	8.53	0.00
4.0	13:55	0.75	10.5	0.15	7.12	27.36	4.98	388	0.035	8.32	0.00
4.0	14:00	0.75	11.25	0.15	7.12	27.40	4.98	387	0.035	8.10	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Jamie VanTassell /AECOM	Jamie VanTassell	9/12/18	14:05
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 14:20
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm	DUPLICATE: Y (N)

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	PP
GW-15I	2	1 L	AG	None	8270C-SIM	VT
GW-15I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-15S	SAMPLE ID: GW-15S	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ———

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 3 feet to 13 feet	STATIC DEPTH TO WATER (feet): 2.62	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 = (~~13~~ 10 feet – 2.62 feet) x 0.65 liters/foot – 4.8 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): 6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	PURGING INITIATED AT: 14:25	PURGING ENDED AT: 16:36	TOTAL VOLUME PURGED (liters): 12.2
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	VRRHL1B1	

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)
2.66	14:31	0.1	0.1	0.10	3.23	28.25	5.36	248	0.238	8.51	0.48
2.66	14:41	1.0	1.1	0.10	3.26	29.81	6.14	-24	0.631	20.0	0.82
2.66	14:51	1.0	2.1	0.10	3.45	30.16	6.34	-93	0.717	30.2	0.27
2.66	14:56	0.5	2.5	0.10	3.64	30.24	6.36	-96	0.721	35.9	0.14
2.66	15:01	0.5	3.0	0.10	3.78	30.30	6.36	-98	0.728	44.6	0.05
2.66	15:06	0.5	3.5	0.10	3.92	30.36	6.36	-100	0.737	51.2	0.04
2.66	15:11	0.5	4.0	0.10	4.06	30.41	6.36	-100	0.743	57.5	0.02
2.66	15:16	0.5	4.5	0.10	4.15	30.46	6.37	-100	0.744	63.9	0.01
2.66	15:21	0.5	5.0	0.10	4.27	30.49	6.37	-100	0.744	70.2	0.01
2.66	15:26	0.5	5.5	0.10	4.42	30.56	6.36	-98	0.741	75.8	0.00
2.66	15:31	0.5	6.0	0.10	4.53	30.56	6.36	-98	0.740	82.3	0.00
2.66	15:36	0.5	6.5	0.10	4.65	30.59	6.36	-98	0.737	88.4	0.00
2.66	15:41	0.5	7.0	0.10	4.81	30.64	6.36	-97	0.731	95.1	0.00
2.66	15:46	0.5	7.5	0.10	5.00	30.64	6.36	-96	0.719	103	0.00
2.66	15:51	0.5	8.0	0.10	5.10	30.61	6.36	-95	0.709	107	0.00
2.66	15:56	0.5	8.5	0.10	5.25	30.53	6.36	-94	0.699	112	0.00
2.66	16:01	0.5	9.0	0.10	5.41	30.53	6.36	-92	0.686	116	0.00
2.66	16:06	0.5	9.5	0.10	5.63	30.62	6.36	-89	0.678	123	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-155	SAMPLE ID: GW-155	DATE: 9/12/18	

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)
2.66	16:11	0.5	10.0	0.10	5.79	30.69	6.35	-90	0.678	127	0.00
2.66	16:16	0.5	10.5	0.10	6.00	30.71	6.34	-92	0.675	132	0.00
2.66	16:21	0.5	11.0	0.10	6.10	30.64	6.34	-89	0.667	134	0.00
2.40	16:26	0.5	11.5	0.09	6.11	30.54	6.32	-81	0.668	139	0.24
2.40	16:31	0.5	12	0.09	6.12	30.55	6.32	-79	0.668	117	0.34
2.40	16:36	0.5	12.2	0.09	6.13	30.57	6.31	-80	0.668	104	0.26

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell/AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 16:30
PUMP OR TUBING DEPTH IN WELL (feet): 7.5	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 16:50
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-155~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-155	2	1 L	AG	None	8270C-SIM	VT
GW-155	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-16I	SAMPLE ID: GW-16I	QC Sample Collected: Yes / No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 3.59	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 = (30.28 feet – 3.59 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 = (40 feet X 0.025 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: 1605	PURGING ENDED AT: 1716	TOTAL VOLUME PURGED (liters): 13.8
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)
4.5	1610	0.6	0.6	0.12	4.36	29.9	5.87	146	0.115	8.39	3.44
5.0	1620	2.0	2.6	0.20	4.87	26.0	5.84	179	0.095	11.2	0.39
5.0	1625	1.0	3.6	0.20	5.09	25.8	5.78	192	0.093	10.1	5.57
5.0	1630	1.0	4.6	0.20	5.27	25.6	5.74	198	0.092	6.96	3.56
5.0	1635	1.0	5.6	0.20	5.31	25.5	5.67	208	0.088	4.58	3.11
5.0	1640	1.0	6.6	0.20	5.36	25.4	5.63	213	0.086	5.97	2.86
5.0	1645	1.0	7.6	0.20	5.37	25.5	5.60	218	0.086	5.00	2.54
5.0	1650	1.0	8.6	0.20	5.38	25.4	5.58	222	0.085	5.03	2.23
5.0	1655	1.0	9.6	0.20	5.39	25.4	5.57	226	0.084	4.54	2.06
5.0	1700	1.0	10.6	0.20	5.40	25.7	5.56	227	0.084	4.57	1.80
5.0	1705	1.0	11.6	0.20	5.41	25.8	5.55	228	0.084	4.54	1.61
5.0	1710	1.0	12.6	0.20	5.41	25.8	5.55	230	0.084	4.19	1.48
5.0	1715	1.0	13.6	0.20	5.41	25.8	5.55	230	0.083	4.24	1.45

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GWL-16I	SAMPLE ID: GWL-16 I	DATE: 9/11/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
R. Hilliard AECOM	[signature]	9/11/18	1719
PUMP OR TUBING DEPTH IN WELL (feet): 241	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1741
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		
	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GWL-16I	2	1 L	AG	None	8270C-SIM	VT
	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-17I	SAMPLE ID: GW-17I	QC Sample Collected: Yes ☐ No ☑	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 21 feet to 31 feet	STATIC DEPTH TO WATER (feet): 1.42	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 – 1.42 feet) X 0.65 liters/foot – 19.6 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):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0857	PURGING ENDED AT: 0946	TOTAL VOLUME PURGED (liters): 8.25
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 (220 mV ORP Solution)~~ ☐ Previously Calibrated											
Precalibration Readings	27.3	°C	4.08	SU	408	mV	4.41	mS/cm	0.00	NTU	8.99	mg/L
Calibrated Readings:	27.3	°C	4.01	SU	411	mV	4.50	mS/cm	0.00	NTU	8.36	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	0855	0.6	0.6	0.13	1.87	26.8	5.05	398	0.093	1.59	4.27
3.9	0905	1.5	2.1	0.15	2.40	26.6	5.00	398	0.089	3.36	3.90
3.9	0910	0.75	2.85	0.15	2.48	26.6	5.02	401	0.089	4.89	3.91
3.9	0915	0.75	3.60	0.15	2.53	26.6	5.01	402	0.087	6.41	3.89
3.9	0920	0.75	4.35	0.15	2.56	26.4	5.01	403	0.088	7.07	4.06
3.9	0925	0.75	5.10	0.15	2.58	26.7	5.00	405	0.088	6.95	3.89
3.9	0930	0.75	5.85	0.15	2.61	26.7	5.00	413	0.088	6.32	3.86
3.9	0935	0.75	6.60	0.15	2.63	26.7	5.00	416	0.088	5.92	3.84
3.9	0940	0.75	7.35	0.15	2.63	26.7	5.00	419	0.088	5.89	3.88
3.9	0945	0.75	8.10	0.15	2.63	26.7	5.00	420	0.087	4.00	3.88

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-17I	SAMPLE ID: GW-17I	DATE: 9/11/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 0955
PUMP OR TUBING DEPTH IN WELL (feet): 26	SAMPLE PUMP FLOW RATE (L per minute): 0.15 ~~for~~	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1016
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		
~~—~~	~~1~~	~~250 ml~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-17I	2	1 L	AG	None	8270C-SIM	VT
~~—~~	~~2~~	~~40 ml~~	~~CG~~	HCl	~~8260—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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/15
WELL NO: GW-18I	SAMPLE ID: GW-18I	QC Sample Collected: Yes ☑ No ☐	QC Sample ID: DUP-1

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 4.86	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 = (38.68 feet – 4.86 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 = (45 feet X 0.005 liters/foot) + 0.4 liters = 0.65 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1035	PURGING ENDED AT: 1125	TOTAL VOLUME PURGED (liters): 7.50
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)
3.9	1039	0.65	0.65	0.16	5.37	30.0	5.78	386	0.059	6.40	5.35
3.9	1049	1.5	2.15	0.15	5.97	29.7	5.69	398	0.056	7.33	4.55
3.9	1054	0.75	2.90	0.15	6.06	29.8	5.68	400	0.057	7.75	4.49
3.9	1059	0.75	3.65	0.15	6.10	30.0	5.70	401	0.059	7.91	4.52
3.9	1104	0.75	4.40	0.15	6.12	29.9	5.71	401	0.060	7.54	4.57
3.9	1109	0.75	5.15	0.15	6.14	30.0	5.72	400	0.061	7.49	4.50
3.9	1114	0.75	5.90	0.15	6.15	30.0	5.72	400	0.062	8.20	4.54
3.9	1119	0.75	6.65	0.15	6.16	30.0	5.73	399	0.062	7.82	4.58
3.9	1124	0.75	7.40	0.15	6.16	30.0	5.72	399	0.062	9.30	4.59

☐ 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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-18I	SAMPLE ID: GW-18I	DATE: 9/11/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	DATE SAMPLED:	SAMPLING INITIATED AT:
B. Hilliard /AECOM	[signature]	9/11/18	1131
PUMP OR TUBING DEPTH IN WELL (feet): 52	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1225
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	1	250 mL	PE	HNO3	8-RCRA Metals	PP
~~[illegible]~~	2	1 L	AG	None	8270C-SIM	VT
	2	40 mL	CG	HCl	8260 – BTEX	RFPP
GW-18I	2	1 L	AG	None	8270C-SIM	VT
DUP-1	2	1 L	AG	None	8270C-SIM	VT

REMARKS:
- Problems maintaining vacuum.

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 – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-185	SAMPLE ID: GW-185	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: DUP-4

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 3.5 feet to 13.5 feet	STATIC DEPTH TO WATER (feet): 6.43	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 = (13.70 feet – 6.43 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 = (25 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: 0823	PURGING ENDED AT: 1008	TOTAL VOLUME PURGED (liters): 12.0
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:	27.1	°C	4.005	SU	363	mV	4.47	mS/cm	0.11	NTU	8.32	mg/L
Calibrated Readings:	27.1	°C	4.01	SU	365	mV	4.50	mS/cm	0.00	NTU	7.95	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	0827	0.5	0.5	0.12	6.58	28.2	6.12	-47	0.229	5.84	0.87
3.5	0837	1.2	1.7	0.12	6.84	29.4	5.87	-17	0.158	5.34	0.39
3.5	0842	0.6	2.3	0.12	6.93	29.6	5.84	-13	0.149	4.22	0.37
3.5	0847	0.6	2.9	0.12	7.02	29.9	5.83	-13	0.145	2.55	0.38
3.5	0852	0.6	3.5	0.12	7.10	30.0	5.83	-15	0.145	2.06	0.37
3.5	0857	0.6	4.1	0.12	7.16	30.0	5.83	-16	0.146	1.98	0.46
3.5	0902	0.6	4.7	0.12	7.23	30.0	5.84	-18	0.146	1.48	0.51
3.5	0907	0.6	5.3	0.12	7.28	30.2	5.84	-19	0.148	0.87	0.49
3.5	0912	0.6	5.9	0.12	7.35	30.2	5.84	-21	0.150	0.71	0.49
3.5	0917	0.6	6.5	0.12	7.40	30.4	5.85	-22	0.154	0.69	0.50
3.5	0922	0.6	7.1	0.12	7.46	30.6	5.86	-24	0.158	0.77	0.53
3.5	0927	0.6	7.7	0.12	7.51	30.8	5.86	-25	0.161	1.10	0.54
3.5	0932	0.6	8.3	0.12	7.53	31.1	5.87	-26	0.166	0.61	0.53
3.5	0937	0.6	8.9	0.12	7.54	31.2	5.88	-27	0.170	0.67	0.53
3.5	0947	0.6	9.5	0.12	7.55	31.4	5.88	-29	0.173	0.50	0.54
3.5	0952	0.6	10.1	0.12	7.55	31.6	5.89	-31	0.179	1.21	0.53
3.5	0957	0.6	10.7	0.12	7.55	31.6	5.91	-33	0.184	0.72	0.52
3.5	1002	0.6	11.3	0.12	7.56	31.7	5.92	-35	0.188	0.64	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

SITE NAME:	GOOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-185	SAMPLE ID: GW-185	DATE: 9/13/18	

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)
3.5	1007	0.6	11.9	0.12	7.56	31.8	5.94	-37	0.191	0.95	0.50
☐	CONTINUED ON ADDITIONAL SHEETS										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
R. Hilliard /AECOM	[signature]	9/13/18	1006
PUMP OR TUBING DEPTH IN WELL (feet): 9'	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1048

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-185~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	PP
GW-185, Dup-4	4	1 L	AG	None	8270C-SIM	VT
~~GW-185~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/2018
WELL NO: GW-20I	SAMPLE ID: GW-20I	QC Sample Collected: Yes ☐ No ☑	QC Sample ID: —

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 1.99	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 – 1.99 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): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 11:12	PURGING ENDED AT: 12:49	TOTAL VOLUME PURGED (liters): 14.2
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	VRRH2TB1	

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	11:14	0.5	0.5	0.15	3.65	30.78	5.51	200	0.033	8.71	0.38
4.0	11:24	1.5	2.0	0.15	4.41	30.49	5.48	214	0.033	6.16	0.26
4.0	11:34	1.5	3.5	0.15	5.91	29.81	5.40	245	0.032	6.46	0.0
4.0	11:39	0.75	4.25	0.15	6.75	29.41	5.38	250	0.032	6.73	0.0
4.0	11:44	0.75	5.0	0.15	7.57	29.31	5.37	246	0.033	6.04	0.0
4.0	11:49	0.75	5.75	0.15	8.02	29.31	5.37	239	0.033	5.71	0.0
4.0	11:54	0.75	6.5	0.15	8.50	29.37	5.38	234	0.033	5.34	0.0
4.0	11:59	0.75	7.25	0.15	8.85	29.42	5.38	229	0.033	5.71	0.0
4.0	12:04	0.75	8.0	0.15	9.30	29.39	5.39	226	0.032	5.63	0.0
4.0	12:09	0.75	8.75	0.15	9.63	29.34	5.39	224	0.032	5.27	0.0
4.0	12:14	0.75	9.5	0.15	9.90	29.40	5.39	220	0.032	5.36	0.03
4.0	12:19	0.75	10.25	0.15	10.22	29.50	5.39	219	0.032	5.26	0.08
4.0	12:24	0.75	11.0	0.15	10.41	29.65	5.39	219	0.032	5.22	0.13
4.0	12:29	0.75	11.75	0.15	10.54	29.91	5.39	220	0.031	5.36	0.18
3.8	12:34	0.6	12.4	0.12	10.68	30.07	5.40	220	0.031	5.03	0.20
3.8	12:39	0.6	13.05	0.12	10.83	30.17	5.41	219	0.031	5.29	0.22
3.8	12:44	0.6	~~14~~ 13.6	0.12	11.03	30.25	5.41	219	0.031	4.40	0.23
3.8	12:49	0.6	~~14.75~~ 14.2	0.12	11.05	30.31	5.42	218	0.031	4.20	0.23

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell/AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/13/2018	SAMPLING INITIATED AT: 12:55
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.10	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-20I	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-20I	2	1 L	AG	None	8270C-SIM	VT
GW-20I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/2018
WELL NO: GW-205	SAMPLE ID: GW-205	QC Sample Collected: Yes ☐ No ☑	QC Sample ID: —

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 2.12	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 = (14.3 feet – 2.12 feet) x 0.65 liters/foot = 7.9 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): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 13:29	PURGING ENDED AT:	TOTAL VOLUME PURGED (liters):
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL181	

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)
2.68	13:33	0.5	0.5	0.09	3.19	34.30	5.96	-37	0.266	0.00	0.02
2.99	13:43	1.2	1.9	0.12	4.10	33.99	5.99	-56	0.275	0.14	0.00
2.99	13:53	1.2	3.1	0.12	4.44	33.31	5.97	-59	0.276	0.55	0.00
2.99	13:58	0.6	3.7	0.12	4.56	33.05	5.95	-59	0.278	0.58	0.00
3.11	14:03	0.7	4.4	0.13	4.67	33.17	5.94	-58	0.275	0.67	0.00
3.11	14:08	0.7	5.1	0.13	4.75	33.42	5.97	-54	0.267	0.67	0.09
3.11	14:13	0.7	5.8	0.13	4.76	33.52	5.99	-52	0.265	1.06	0.16
3.11	14:18	0.7	6.5	0.13	4.84	33.55	6.00	-51	0.265	1.11	0.18
3.11	14:23	0.7	7.2	0.13	4.98	33.63	6.01	-49	0.266	0.81	0.22
3.11	14:28	0.7	7.9	0.13	5.18	33.76	6.02	-47	0.269	0.57	0.21
3.11	14:33	0.7	8.6	0.13	5.27	33.85	6.02	-46	0.272	0.53	0.15
3.11	14:38	0.7	9.3	0.13	5.37	33.88	6.02	-45	0.272	0.47	0.11
3.11	14:43	0.7	10.0	0.13	5.52	33.84	6.02	-45	0.271	0.69	0.08
3.11	14:48	0.7	10.7	0.13	5.65	33.66	6.01	-45	0.273	0.40	0.04
3.0	14:53	0.6	11.3	0.12	5.72	33.47	6.00	-46	0.277	0.16	0.02
3.0	14:58	0.6	11.9	0.12	5.79	33.39	5.99	-47	0.280	0.23	0.00
3.0	15:03	0.6	12.5	0.12	5.88	33.35	5.98	-49	0.283	0.29	0.00
3.0	15:08	0.6	13.1	0.12	6.00	33.39	5.97	-51	0.284	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW - 205	SAMPLE ID: GW - 205	DATE: 9/13/2018	

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	15:13	0.6	13.7	0.12	6.01	33.42	5.98	-52	0.284	0.00	0.00
3.0	15:18	0.6	14.3	0.12	6.01	33.44	5.98	-52	0.284	0.00	0.00
☐	CONTINUED ON ADDITIONAL SHEETS										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/13/2018	SAMPLING INITIATED AT: 15:25
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 15:45
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-205	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-205	2	1 L	AG	None	8270C-SIM	VT
GW-205	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/10/18
WELL NO: GW-23I	SAMPLE ID: GW-23I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: feet to 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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 26	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 26	PURGING INITIATED AT: 1448	PURGING ENDED AT: 1549	TOTAL VOLUME PURGED (liters): 7
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	~~HYLADUO~~ GA10J6HL JM	

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)
4.11	1450	0.0	0.0	0.2	0.00	31.55	5.65	204	0.082	0.00	5.75
4.11	1455	1.0	1.0	0.2	0.20	29.37	5.31	263	0.067	0.00	5.04
4.11	1500	1.0	2.0	0.2	0.30	29.09	5.18	281	0.065	0.00	5.18
4.11	1505	1.0	3.0	0.2	0.30	28.67	5.10	297	0.064	0.00	5.09
4.11	1510	1.0	4.0	0.2	0.40	28.16	5.03	313	0.064	0.00	5.04
4.11	1515	1.0	5.0	0.2	0.45	28.20	5.00	319	0.064	0.00	4.95
4.11	1520	1.0	6.0	0.2	0.50	28.37	5.00	321	0.064	0.00	5.07
4.11	1525	1.0	7.0	0.2	0.50	28.52	5.02	320	0.063	0.00	5.12
4.11	1530	1.0	8.0	0.2	0.50	28.62	5.05	322	0.063	0.00	5.14

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justina McCann	9/10/18	1532
PUMP OR TUBING DEPTH IN WELL (feet): 26	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1549

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		
~~[illegible]~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	PP
GW-23I	2	1 L	AG	None	8270C-SIM	VT
GW-23I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/13/18
WELL NO: GW-24I	SAMPLE ID: GW-24I	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 4.90	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1730	PURGING ENDED AT: 1843	TOTAL VOLUME PURGED (liters): 7.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	6910JGHL	

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)
2.61	1737	0.0	0.0	0.11	5.41	36.07	5.79	87	0.085	0.00	0.74
2.61	1742	0.5	0.5	0.11	5.99	31.62	5.72	75	0.087	0.00	0.02
2.61	1747	0.5	1.0	0.11	6.39	31.39	5.72	67	0.087	0.00	0.00
2.61	1752	0.5	1.5	0.11	6.80	30.30	5.71	62	0.086	0.00	2.14
2.61	1757	0.5	2.0	0.11	7.06	29.74	5.72	58	0.087	0.00	0.03
2.61	1802	0.5	2.5	0.11	7.31	29.47	5.79	50	0.086	0.00	0.03
2.61	1807	0.5	3.0	0.11	7.57	29.15	5.81	43	0.086	0.00	4.53
2.61	1812	0.5	3.5	0.11	7.75	28.78	5.82	37	0.086	0.00	1.26
2.61	1817	0.5	4.0	0.11	7.93	28.71	5.83	33	0.088	0.00	3.91
2.61	1822	0.5	4.5	0.11	8.06	28.45	5.85	29	0.090	0.00	0.13
2.61	1827	0.5	5.0	0.11	8.18	28.24	5.88	25	0.093	0.00	3.78
2.61	1832	0.5	5.5	0.11	8.28	28.25	5.87	26	0.095	0.00	0.01
2.61	1837	0.5	6.0	0.11	8.37	27.80	5.87	27	0.097	0.00	0.00
2.61	1842	0.5	6.5	0.11	8.43	27.70	5.85	30	0.099	0.00	0.07

☐ 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

SITE NAME: GDOT – Walker Street		SITE LOCATION: Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1844
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1938
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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-24I	2	1 L	AG	None	8270C-SIM	VT
GW-24I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/11/18
WELL NO: GW-245	SAMPLE ID: GW-245	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.56	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9	PURGING INITIATED AT: 1103	PURGING ENDED AT: 1218	TOTAL VOLUME PURGED (liters): 10
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:	°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)
3.12	1108	0.0	0.0	0.13	4.82	30.40	6.31	-8	0.438	0.00	0.22
3.12	1113	0.5	0.5	0.13	4.96	29.78	6.35	-26	0.444	0.00	0.16
3.12	1118	0.5	1.0	0.13	5.12	29.76	6.37	-31	0.446	0.00	0.08
3.12	1123	0.5	1.5	0.13	5.22	29.94	6.38	-33	0.442	0.00	0.05
3.12	1128	0.5	2.0	0.13	5.29	30.18	6.36	-31	0.433	0.00	0.01
3.12	1133	1.0	3.0	0.13	5.33	30.30	6.35	-28	0.423	0.00	0.00
3.12	1138	0.5	3.5	0.13	5.38	30.74	6.31	-24	0.411	0.00	0.00
3.12	1143	0.5	4.0	0.13	5.42	30.66	6.28	-22	0.401	0.00	0.00
3.12	1148	0.5	4.5	0.13	5.43	30.94	6.25	-19	0.389	0.00	0.00
3.12	1153	0.5	5.0	0.13	5.45	31.12	6.21	-16	0.379	0.00	0.00
3.12	1158	1.0	6.0	0.13	5.47	31.15	6.19	-14	0.370	0.00	0.00
3.12	1203	1.0	7.0	0.13	5.48	31.07	6.18	-11	0.360	0.00	0.00
3.12	1208	0.5	7.5	0.13	5.48	31.02	6.16	-9	0.353	0.00	0.00
3.12	1213	1.0	8.5	0.13	5.49	31.69	6.12	-5	0.343	0.00	0.00
3.12	1218	1.0	9.5	0.13	5.49	31.41	6.13	-6	0.341	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 1220
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.13	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1248
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-245	2	1 L	AG	None	8270C-SIM	VT
GW-245	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-25S	SAMPLE ID: GW-25S	QC Sample Collected: Yes ☐ No ☑	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 3.63	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 = (14.24 feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (25 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: 1308	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (liters): 19.4
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)
3.9	1312	0.5	0.5	0.13	3.84	36.6	5.88	-20	0.287	5.91	1.00
3.9	1322	1.5	2.0	0.15	4.15	31.0	5.82	-36	0.289	8.02	0.42
3.9	1327	0.75	2.75	0.15	4.27	30.8	5.82	-37	0.285	7.86	0.46
3.9	1332	0.75	3.50	0.15	4.38	30.8	5.82	-37	0.283	8.24	0.48
3.9	1337	0.75	4.25	0.15	4.46	30.5	5.84	-39	0.281	8.06	0.48
3.9	1342	0.75	5.00	0.15	4.52	30.2	5.85	-39	0.278	7.43	0.49
3.9	1347	0.75	5.75	0.15	4.59	29.6	5.85	-42	0.285	7.05	0.48
3.9	1352	0.75	6.50	0.15	4.64	30.0	5.85	-44	0.293	6.78	0.46
3.9	1357	0.75	7.25	0.15	4.70	30.3	5.84	-46	0.291	6.11	0.44
3.9	1402	0.75	8.00	0.15	4.74	30.2	5.83	-44	0.291	6.05	0.43
3.9	1407	0.75	8.75	0.15	4.78	30.3	5.83	-47	0.289	5.06	0.40
3.9	1412	0.75	9.50	0.15	4.81	30.1	5.82	-46	0.289	4.58	0.37
3.9	1417	0.75	10.25	0.15	4.84	30.0	5.80	-44	0.284	4.32	0.35
3.9	1422	0.75	11.00	0.15	4.87	30.0	5.78	-41	0.280	3.98	0.33
3.9	1427	0.75	11.75	0.15	4.89	29.9	5.78	-39	0.278	3.83	0.34
3.9	1432	0.75	12.50	0.15	4.91	29.9	5.76	-36	0.271	3.52	0.35
3.9	1437	0.75	13.25	0.15	4.92	29.9	5.74	-33	0.268	3.81	0.33
3.9	1442	0.75	14.00	0.15	4.93	29.8	5.73	-30	0.262	3.75	0.33

☐ 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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-25S	SAMPLE ID: GW-25S	DATE: 9/11/18	

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)
3.9	1447	0.75	14.75	0.15	4.94	29.6	5.70	-22	0.252	3.68	0.33
3.9	1452	0.75	15.50	0.15	4.94	29.4	5.68	-22	0.245	3.40	0.32
3.9	1457	0.75	16.25	0.15	4.94	29.2	5.67	-17	0.240	3.58	0.35
3.9	1502	0.75	17.00	0.15	4.94	28.9	5.65	-14	0.237	3.12	0.36
3.9	1507	0.75	17.75	0.15	4.95	28.8	5.63	-9	0.231	2.71	0.35
3.9	1512	0.75	18.50	0.15	4.95	28.7	5.61	-7	0.230	2.44	0.35
3.9	1517	0.75	19.25	0.15	4.95	28.6	5.60	-4	0.227	2.31	0.34

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 1519
PUMP OR TUBING DEPTH IN WELL (feet): 9'	SAMPLE PUMP FLOW RATE (L per minute): 0.15	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		
~~1~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-25S	2	1 L	AG	None	8270C-SIM	VT
~~2~~	~~2~~	~~40 mL~~	~~CG~~	~~HCL~~	~~8260 - 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-26I	SAMPLE ID: GW-26I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (Inches):	WELL SCREEN INTERVAL DEPTH: 19 feet to 29 feet	STATIC DEPTH TO WATER (feet): 6.20	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 – 6.20 feet) X 0.65 liters/foot = 15 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (40 feet X 0.05 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: 0756	PURGING ENDED AT: 0918	TOTAL VOLUME PURGED (liters): 15.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	XCDBK, XE4 / W3J6GDT1	

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	29.4	°C	4.03	SU	334	mV	4.55	mS/cm	0.00	NTU	8.30	mg/L
Calibrated Readings	29.3	°C	4.01	SU	340	mV	4.51	mS/cm	0.00	NTU	7.58	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	0812	0.85	0.85	0.14	6.78	24.2	5.03	313	0.065	11.5	2.95
5.1	0812	2	2.9	0.20	7.26	23.7	4.98	325	0.066	4.98	1.33
5.1	0817	1	3.9	0.20	7.35	23.7	4.96	328	0.067	3.83	1.04
5.1	0822	1	4.9	0.20	7.42	23.7	4.95	329	0.066	3.56	0.86
5.1	0827	1	5.9	0.20	7.48	23.7	4.95	331	0.067	2.89	0.75
5.1	0832	1	6.9	0.20	7.52	23.7	4.95	331	0.066	2.97	0.69
5.1	0837	1	7.9	0.20	7.55	23.8	4.95	332	0.067	3.16	0.67
5.1	0842	1	8.9	0.20	7.59	23.8	4.95	332	0.067	3.88	0.67
5.1	0847	1	9.9	0.20	7.61	23.8	4.95	333	0.067	4.47	0.65
5.1	0852	1	10.9	0.20	7.65	23.8	4.95	333	0.067	4.97	0.62
5.1	0857	1	11.9	0.20	7.67	23.8	4.95	333	0.067	4.96	0.56
5.1	0902	1	12.9	0.20	7.70	23.8	4.95	334	0.067	5.71	0.56
4.5	0907	0.85	13.7	0.17	7.42	24.0	4.95	333	0.067	5.95	0.57
4.5	0912	0.85	14.6	0.17	7.60	24.1	4.95	334	0.068	5.69	0.62
4.5	0917	0.85	15.4	0.17	7.59	24.2	4.95	334	0.068	5.38	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:
0902 – All parameters stable except water level still dropping. Decrease flow rate from 0.2LPM to 0.17 LPM.

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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA
WELL NO: GW-26I	SAMPLE ID: GW-26I	DATE: 9/12/18

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 0921
PUMP OR TUBING DEPTH IN WELL (feet): 24'	SAMPLE PUMP FLOW RATE (L per minute): 0.17	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0939
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		
~~1~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-26I	2	1 L	AG	None	8270C-SIM	VT
~~2~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 - 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-27I	SAMPLE ID: GW-27I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19.5 feet to 29.5 feet	STATIC DEPTH TO WATER (feet): 3.63	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24	PURGING INITIATED AT: 0759	PURGING ENDED AT: 0838	TOTAL VOLUME PURGED (liters): 4.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	J910GJHL	

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:	27.63	°C	4.04	SU	384	mV	4.45	mS/cm	0.00	NTU	6.04	mg/L
Calibrated Readings:	27.77	°C	4.01	SU	381	mV	4.50	mS/cm	0.00	NTU	7.41	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)
3.03	0802	0.0	0.0	0.12	5.34	24.53	6.68	262	0.149	0.00	2.74
3.03	0807	0.5	0.5	0.12	5.60	24.29	6.58	228	0.123	0.00	2.35
2.70	0812	0.5	1.0	0.1	5.80	24.31	6.65	230	0.121	0.00	2.41
2.70	0817	0.5	1.5	0.1	6.02	24.29	6.71	224	0.117	0.00	2.28
2.70	0822	0.5	2.0	0.1	6.10	24.27	6.73	219	0.116	0.00	2.07
2.70	0827	0.5	2.5	0.1	6.17	24.29	6.71	216	0.116	0.00	2.03
2.70	0832	0.5	3.0	0.1	6.21	24.37	6.73	212	0.116	0.00	1.95
2.70	0837	0.5	3.5	0.1	6.23	24.41	6.71	210	0.114	0.00	1.83

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/12/18	0839
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 0928

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-2TI	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-2TI	2	1 L	AG	None	8270C-SIM	VT
GW-2TI	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/14/18
WELL NO: GW-275	SAMPLE ID: GW-275	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 4 feet to 14 feet	STATIC DEPTH TO WATER (feet): 4.09	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY

1 WELL VOLUME = (14.12 feet – 4.09 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 = (25 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: 1014	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)
5.0	1017	0.5	0.5	0.2	4.37	29.7	6.67	-59	0.607	18.0	1.50
5.0	1027	2.0	2.5	0.2	4.71	27.1	6.57	-79	0.602	5.46	0
5.0	1037	2.0	4.5	0.2	4.94	27.5	6.56	-86	0.592	2.38	0
5.0	1042	1.0	5.5	0.2	5.02	27.7	6.55	-88	0.592	1.46	0
5.0	1047	1.0	6.5	0.2	5.13	27.7	6.54	-89	0.596	2.64	0
5.0	1052	1.0	7.5	0.2	5.22	27.8	6.54	-90	0.594	2.60	0
5.0	1057	1.0	8.5	0.2	5.29	28.1	6.53	-91	0.599	1.61	0
4.0	1102	0.75	9.25	0.15	5.37	28.5	6.52	-91	0.600	1.43	0
4.0	1107	0.75	10.00	0.15	5.34	28.8	6.51	-91	0.597	1.11	0
4.0	1112	0.75	10.75	0.15	5.36	28.7	6.50	-90	0.593	1.88	0
4.0	1117	0.75	11.50	0.15	5.39	28.9	6.49	-90	0.594	1.42	0
3.5	1122	0.6	12.1	0.12	5.39	29.3	6.49	-90	0.596	1.24	0
3.5	1127	0.6	12.7	0.12	5.40	29.4	6.48	-90	0.595	1.57	0
3.5	1132	0.6	13.3	0.12	5.40	29.6	6.48	-89	0.600	1.30	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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA
WELL NO: GW-275	SAMPLE ID: GW-275	DATE: 9/14/18

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hillyard/AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/14/18	SAMPLING INITIATED AT: 1136
PUMP OR TUBING DEPTH IN WELL (feet): 91	SAMPLE PUMP FLOW RATE (L per minute): 0.75	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1212 JV
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm; Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION: # CONTAINERS	VOLUME	MATERIAL CODE	SAMPLE PRESERVATION: PRESERVATIVE USED	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~
GW-275	2	1 L	AG	None	8270C-SIM	VT
GW-275	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/14/18
WELL NO: GW-28I	SAMPLE ID: GW-28I	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 19 feet to 29 feet	STATIC DEPTH TO WATER (feet): 4.12	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 24	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 24	PURGING INITIATED AT: 0959	PURGING ENDED AT: 1046	TOTAL VOLUME PURGED (liters): 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)	☒ 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)
2.69	1005	0.0	0.0	0.1	4.66	33.51	5.43	200	0.091	0.00	16.47
2.69	1010	0.5	0.5	0.1	4.85	31.76	5.16	244	0.096	0.00	24.13
2.69	1015	0.5	1.0	0.1	4.97	30.55	5.02	268	0.096	0.00	25.49
2.69	1020	0.5	1.5	0.1	5.03	30.70	5.04	277	0.095	0.00	23.31
2.69	1025	0.5	2.0	0.1	5.07	30.84	5.04	283	0.095	0.00	23.00
2.69	1030	0.5	2.5	0.1	5.10	30.72	5.05	286	0.095	0.00	24.71
2.69	1035	0.5	3.0	0.1	5.11	30.50	5.06	289	0.095	0.00	21.77
2.69	1040	0.5	3.5	0.1	5.11	30.31	5.07	291	0.097	0.00	21.05
2.69	1045	0.5	4.0	0.1	5.12	30.90	5.08	295	0.097	0.00	21.17

☐ 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:

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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/14/18	SAMPLING INITIATED AT: 1047
PUMP OR TUBING DEPTH IN WELL (feet): 24	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1124
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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-28I	2	1 L	AG	None	8270C-SIM	VT
GW-28I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-29I	SAMPLE ID: GW-29I	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: DUP-5

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 2.67	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 1113	PURGING ENDED AT: 1139	TOTAL VOLUME PURGED (liters): 3.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	69IDJGHL	

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)
2.62	1118	0.0	0.0	0.11	3.03	30.01	6.33	77	0.115	0.00	0.13
2.62	1123	0.5	0.5	0.11	3.08	28.85	6.48	-2	0.118	0.00	0.10
2.62	1128	0.5	1.0	0.11	3.14	28.48	6.52	-14	0.119	0.00	0.14
2.62	1133	0.5	1.5	0.11	3.14	28.52	6.54	-18	0.120	0.00	0.14
2.62	1138	0.5	2.0	0.11	3.14	28.68	6.52	-20	0.122	0.00	0.15

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McLann /AECOM	Justine McLann	9/13/18	1140
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1253

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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-297 DUP-5	2	1 L	AG	None	8270C-SIM	VT
GW-297 DUP-5	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-29S	SAMPLE ID: GW-29S	QC Sample Collected: Yes ☐ No ☒	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 5.12	PURGE PUMP TYPE OR BAILER: Peristaltic

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY 3x = 19.5 L

1 WELL VOLUME = (15.16 feet – 5.12 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 = (25 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: 1859	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)
8.0	1900	0.5	0.5	0.37	5.55	29.8	5.73	14	0.284	38.3	8.61
9.0	1910	4.1	4.6	0.41	7.90	27.0	5.93	-81	0.421	815	0.00
9.0	1915	2	6.6	0.41	8.79	26.9	5.73	-45	0.303	599	0.00
9.0	1920	2	8.6	0.41	9.57	26.5	5.74	-58	0.300	784	0.00
9.0	1925	2	10.6	0.41	10.38	26.2	5.75	-65	0.297	750	0.00
9.0	1930	2	12.6	0.41	11.13	26.1	5.76	-71	0.310	981	0.00
9.0	1935	2	14.6	0.41	11.80	26.0	5.75	-76	0.321	>1000	0.00
9.0	1940	2	16.6	0.41	12.97	25.7	5.75	-76	0.320	>1000	0.00
9.0	1945	2	18.6	0.41	13.98	25.5	5.45	-41	0.200	>1000	0.00
9.0	1950	2	20.6	0.41	14.98	25.4	5.44	-11	0.197	>1000	0.00
	1952 – Dry!										
9/14/18 – 0645 – DTW 9.58.											

☐ 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:
1921 – Lower tubing to 12'.
1936 – Lower tubing to 14'.

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA

WELL NO: GW-295	SAMPLE ID: GW-295	DATE: 9/13/18

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: R. Hilliard /AECOM	SAMPLER(S) SIGNATURES: [signature]	DATE SAMPLED: 9/14/18	SAMPLING INITIATED AT: 0712
PUMP OR TUBING DEPTH IN WELL (feet): 10'	SAMPLE PUMP FLOW RATE (L per minute): 0.2/0.1	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-295	1	250 mL	PE	HNO3	8-RCRA Metals	PP
↓	2	1 L	AG	None	8270C-SIM	VT
↓	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-305	SAMPLE ID: GW-305	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ——

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 14.5 feet	STATIC DEPTH TO WATER (feet): 5.15	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 = (14.5 feet – 5.15 feet) X 0.05 liters/foot ~ 6.1 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: 7:50	PURGING ENDED AT: 9:32	TOTAL VOLUME PURGED (liters): 9.2
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL7B1	

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:	28.38 °C	4.05 SU	398 mV	4.38 mS/cm	1.10 NTU	21.20 mg/L	
Calibrated Readings:	28.19 °C	4.01 SU	415 mV	4.51 mS/cm	0.0 NTU	7.34 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)
2.83	7:57	0.1	0.1	0.08	5.32	27.32	4.31	409	2.75	1.05	5.25
2.83	8:12	1.2	1.3	0.08	5.57	26.31	4.75	397	0.371	0.04	2.26
3.16	8:17	0.5	~~0.5~~ 1.7	0.10	5.64	26.49	4.82	391	0.113	0.38	3.41
3.16	8:22	0.5	2.2	0.10	5.73	26.59	4.82	387	0.116	0.16	6.32
3.16	8:27	0.5	2.7	0.10	5.80	26.72	4.81	377	0.120	0.26	6.75
3.16	8:32	0.5	3.2	0.10	5.92	26.77	4.81	373	0.121	0.06	6.70
3.16	8:37	0.5	3.7	0.10	6.01	26.90	4.81	359	0.125	0.06	6.48
3.16	8:42	0.5	4.2	0.10	6.11	26.94	4.82	354	0.124	0.09	6.38
3.16	8:47	0.5	4.7	0.10	6.20	26.96	4.82	350	0.122	0.00	6.25
3.16	8:52	0.5	5.2	0.10	6.28	26.99	4.82	349	0.122	0.00	6.21
3.16	8:57	0.5	5.7	0.10	6.32	27.01	4.82	347	0.120	0.00	6.11
3.16	9:02	0.5	6.2	0.10	6.40	27.06	4.83	341	0.115	0.00	5.91
3.16	9:07	0.5	6.7	0.10	6.44	27.11	4.83	338	0.112	0.00	5.83
3.16	9:12	0.5	7.2	0.10	6.51	27.14	4.83	338	0.111	0.03	5.79
3.16	9:17	0.5	7.7	0.10	6.55	27.49	4.84	335	0.106	0.03	5.56
3.16	9:22	0.5	8.2	0.10	6.60	27.71	4.84	334	0.105	0.00	5.46
3.16	9:27	0.5	8.7	0.10	6.63	27.82	4.85	334	0.104	0.00	5.42
3.16	9:32	0.5	9.2	0.10	6.63	27.91	4.86	331	0.102	0.00	5.43

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 9:35
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 9:50
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-305~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~
GW-305	2	1 L	AG	None	8270C-SIM	VT
GW-305	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/13/2018
WELL NO: GW-31I	SAMPLE ID: GW-31I, GW-	QC Sample Collected:	Yes ☑ No ☐	QC Sample ID:	GW-31I-MS GW-31I-MSD

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.98	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 = (35.3 feet – 1.98 feet) x 0.65 liters/foot = 21.7 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (36 feet x 0.005 liters/foot) + 0.4 liters = 0.58 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 15:52	PURGING ENDED AT: 17:55	TOTAL VOLUME PURGED (liters): 18.5	
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL187		

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	15:55	0.5	0.5	0.15	3.12	36.49	5.71	13	0.153	5.68	0.00
	16:05	1.5	2.0	0.15	4.37	36.15	5.78	10	0.146	3.91	0.06
	16:15	1.5	3.5	0.15	5.81	34.32	5.82	3	0.138	3.54	0.25
	16:25	1.5	5	0.15	6.43	34.12	5.80	4	0.140	3.20	0.23
	16:30	0.75	5.75	0.15	7.14	33.79	5.76	5	0.141	5.35	0.20
	16:35	0.75	6.5	0.15	7.61	33.58	5.74	6	0.142	4.52	0.14
	16:40	0.75	7.3	0.15	7.97	33.45	5.72	7	0.140	5.24	0.11
	16:45	0.75	8.0	0.15	8.18	33.34	5.72	7	0.139	5.00	0.08
	16:50	0.75	8.75	0.15	8.43	33.25	5.72	7	0.138	4.39	0.06
	16:55	0.75	9.5	0.15	8.67	33.15	5.71	7	0.136	6.19	0.04
	17:00	0.75	10.3	0.15	8.91	33.09	5.70	6	0.136	4.77	0.03
	17:05	0.75	11.0	0.15	9.12	33.04	5.70	5	0.134	6.98	0.00
	17:10	0.75	11.75	0.15	9.30	33.00	5.71	4	0.132	8.24	0.00
	17:15	0.75	12.5	0.15	9.42	32.96	5.70	4	0.130	7.43	0.00
	17:20	0.75	13.3	0.15	9.59	32.93	5.69	4	0.129	6.53	0.00
	17:25	0.75	14.0	0.15	9.71	32.93	5.69	3	0.128	6.35	0.00
	17:30	0.75	14.75	0.15	9.81	32.98	5.68	2	0.126	5.06	0.00
	17:35	0.75	15.5	0.15	9.91	33.08	5.67	0	0.125	6.38	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA

WELL NO: GW-31I	SAMPLE ID: GW-31I, GW-31I-MS, GW-31I-MSD	DATE: 9/13/2018

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	17:40	0.75	16.3	0.15	10.00	33.22	5.67	0	0.122	6.64	0.00
	17:45	0.75	17	0.15	10.01	33.41	5.67	-1	0.120	7.30	0.0
	17:50	0.75	17.8	0.15	10.10	33.59	5.67	-3	0.119	3.70	0.0
	17:55	0.75	18.5	0.15	10.11	33.70	5.67	-3	0.117	4.77	0.0

☐ CONTINUED ON ADDITIONAL SHEETS

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/13/2018	SAMPLING INITIATED AT: 18:00
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 18:45
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		
JV ~~[illegible]~~	1	250 mL	PE	HNO3	~~8 RCRA Metals~~	PP
GW-31I, MS, MSD	2	1 L	AG	None	8270C-SIM	VT
"	2	40 mL	CG	HCl	8260 – BTEX	RFPP

REMARKS: MS and MSD samples for ~~[illegible]~~ methods 8270 & 8260

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 – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/2018
WELL NO: GW-315	SAMPLE ID: GW-315	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: —

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.76	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 = (13.8 feet – 1.76 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): 8	PURGING INITIATED AT: 0916	PURGING ENDED AT: 10:34	TOTAL VOLUME PURGED (liters): 8.25
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	VRRHL1B1	

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:	29.21 °C	4.01 SU	391 mV	4.52 mS/cm	0.00 NTU	7.45 mg/L
Calibrated Readings:	29.20 °C	4.00 SU	400 mV	4.51 mS/cm	0.00 NTU	7.49 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)
2.55	9:19	0.25	0.25	0.05	2.98	28.34	5.52	49	0.131	144 ~~0.00~~	0.27
2.55	9:24	0.25	0.50	0.05	3.38	28.34	5.68	28	0.126	143	0.03
3.05	9:29	0.5	1	0.10	3.63	28.32	5.70	20	0.127	141	0.00
3.05	9:34	0.5	1.5	0.10	3.72	28.30	5.76	10	0.126	139	0.00
3.05	9:39	0.5	2	0.10	3.82	28.31	5.77	4	0.127	137	0.00
4.00	9:44	0.75	2.75	0.15	4.10	28.30	5.77	3	0.127	134	0.00
4.00	9:49	0.75	3.50	0.15	4.47	28.27	5.78	3	0.126	129	0.00
4.00	9:54	0.75	2.25	0.15	4.62	28.27	5.80	8	0.126	128	0.00
4.00	9:59	0.75	3.0	0.15	4.71	28.39	5.85	21	0.123	124	0.00
4.00	10:04	0.75	3.75	0.15	4.80	28.43	5.85	22	0.123	120	0.00
4.00	10:09	0.75	4.50	0.15	4.86	28.48	5.84	18	0.126	114	0.00
4.00	10:14	0.75	5.25	0.15	4.94	28.48	5.82	9	0.127	111	0.00
4.00	10:19	0.75	6.0	0.15	4.98	28.48	5.80	0	0.130	109	0.00
4.00	10:24	0.75	6.75	0.15	4.98	28.51	5.78	-3	0.130	108	0.00
4.00	10:29	0.75	7.50	0.15	4.98	28.52	5.78	-2	0.130	108	0.00
4.00	10:34	0.75	8.25	0.15	4.98	28.53	5.77	-2	0.130	106	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell/AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 10:40
PUMP OR TUBING DEPTH IN WELL (feet): 8	SAMPLE PUMP FLOW RATE (L per minute): 0.15	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 10:50
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		
~~—~~	~~1~~	~~250 mL~~	PE	~~HNO3~~	~~8-RCRA Metals~~	PP
GW-315	2	1 L	AG	None	8270C-SIM	VT
GW-315	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/10/18
WELL NO: GW-235	SAMPLE ID: GW-235	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 2.73	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1610	PURGING ENDED AT: 1724	TOTAL VOLUME PURGED (liters): 7
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	~~[illegible]~~ G9 10JGHL SM	

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)
4.05	1613	0.0	0.0	0.2	2.90	36.92	6.34	10	0.322	0.00	0.00
4.05	1618	1.0	1.0	0.2	3.19	32.92	6.44	-25	0.326	0.00	4.55
3.54	1623	1.0	2.0	0.13	3.39	32.89	6.40	-15	0.318	0.00	1.59
3.54	1628	0.7	3.0	0.13	3.61	32.26	6.39	-10	0.320	0.00	0.81
3.54	1633	0.7	3.5	0.13	3.81	31.79	6.41	-9	0.319	0.00	5.13
3.03	1638	0.5	4.0	0.12	3.91	32.14	6.43	-10	0.319	0.00	0.23
3.03	1643	0.5	4.5	0.12	4.05	32.15	6.52	-16	0.331	0.00	0.29
3.03	1648	0.5	5.0	0.12	4.20	32.42	6.56	-20	0.338	0.00	0.27
3.03	1653	0.5	5.5	0.12	4.33	32.66	6.58	-22	0.341	0.00	0.29

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA	
WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justin McCann	DATE SAMPLED: 9/10/18	SAMPLING INITIATED AT: 1655
PUMP OR TUBING DEPTH IN WELL (feet): 12	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1724
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: _____ FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
~~[illegible]~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-235	2	1 L	AG	None	8270C-SIM	VT
~~[illegible]~~	~~2~~	~~40 mL~~	~~CG~~	~~HCl~~	~~8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: GW-28D	SAMPLE ID: GW-28D	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: GW-28D/ms/msD

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 55 feet to 65 feet	STATIC DEPTH TO WATER (feet): 42.96	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 – 42.96 feet) X 0.65 liters/foot = 14.9 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: 1846	PURGING ENDED AT: 2122	TOTAL VOLUME PURGED (liters): 35.5
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)
10/40	1851	0.75	0.75	0.15	43.45	29.8	6.26	246	0.147	341	2.32
10/40	1901	2.3	3.0	0.23	44.40	24.4	6.61	105	0.194	195	1.07
10/40	1911	2.3	5.3	0.23	44.98	24.0	6.52	133	0.165	122	1.82
10/40	1921	2.3	7.6	0.23	45.41	23.7	6.41	171	0.141	103	256
10/40	1931	2.3	9.9	0.23	45.91	23.5	6.36	202	0.130	75.0	2.74
10/40	1941	2.3	12.2	0.23	46.28	23.3	6.30	219	0.116	57.8	3.26
10/40	1951	2.3	14.5	0.23	46.66	23.3	6.26	232	0.111	50.0	3.37
10/40	2001	2.3	16.8	0.23	46.94	23.2	6.24	244	0.106	41.1	3.60
10/40	2011	2.3	19.1	0.23	47.18	23.2	6.21	257	0.101	31.9	3.75
10/40	2021	2.3	21.4	0.23	47.48	23.1	6.20	259	0.100	27.1	3.78
10/40	2031	2.3	23.7	0.23	47.67	23.1	6.18	264	0.099	23.1	3.85
10/40	2041	2.3	26.0	0.23	47.94	23.1	6.18	269	0.096	19.5	3.87
10/40	2051	2.3	28.3	0.23	48.05	23.1	6.14	273	0.094	17.9	3.94
10/40	2101	2.3	30.6	0.23	48.07	23.2	6.14	277	0.094	9.75	3.94
10/40	2111	2.3	32.9	0.23	48.06	23.1	6.14	279	0.093	9.46	3.85
10/40	2121	2.3	35.2	0.23	48.07	23.1	6.13	282	0.095	8.17	3.90

☐ 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:

*Check valve in pump is showing a slow leak.

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO: GW-28D	SAMPLE ID: GW-28D	DATE: 9/12/18	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: /AECOM	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT: 2123
PUMP OR TUBING DEPTH IN WELL (feet): 60	SAMPLE PUMP FLOW RATE (L per minute):	TUBING MATERIAL CODE:	SAMPLING ENDED AT: 2230
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		
~~[illegible]~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-28D/MS/MSD	4	1 L	AG	None	8270C-SIM	VT
GW-28D/MS/MSD	40	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-30I	SAMPLE ID: GW-30I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ——

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 3.09	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 feet – 3.09 feet) X 0.65 liters/foot = 20.1 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: 17:30	PURGING ENDED AT: 18:20	TOTAL VOLUME PURGED (liters): 4.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	VRRHL1B1	

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)
2.95	17:35	0.1	0.1	0.10	3.42	32.29	5.77	227	0.014	2.95	8.94
2.95	17:45	1.0	1.1	0.10	3.46	30.46	5.47	315	0.049	2.95	12.69
2.95	17:55	1.0	2.1	0.10	3.47	30.08	5.44	335	0.048	2.97	12.53
2.95	18:00	0.5	2.5	0.10	3.48	29.96	5.44	342	0.048	2.97	12.60
2.95	18:05	0.5	3.0	0.10	3.49	29.87	5.44	347	0.048	2.93	12.21
2.95	18:10	0.5	3.5	0.10	3.49	29.85	5.44	348	0.048	3.11	12.23
2.95	18:15	0.5	4.0	0.10	3.50	29.78	5.45	352	0.048	3.24	12.23
2.95	18:20	0.5	4.5	0.10	3.51	29.67	5.45	355	0.048	3.68	12.19

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 18:20
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE (L per minute): 0.10	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-30I	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-30I	2	1 L	AG	None	8270C-SIM	VT
GW-30I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-32I	SAMPLE ID: GW-32I	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: DUP-1

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 4.35	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 = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1603	PURGING ENDED AT: 1706	TOTAL VOLUME PURGED (liters): 5.0
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	5910GJHL	

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)
3.10	1610	0.0	0.0	0.12	4.46	37.19	5.17	267	0.281	0.00	0.27
3.10	1615	0.5	0.5	0.12	5.10	33.83	4.77	273	0.305	0.00	0.14
3.10	1620	0.5	1.0	0.12	5.57	32.81	4.74	264	0.309	0.00	0.16
2.83	1625	0.5	1.5	0.1	5.92	32.14	4.69	257	0.313	0.00	0.14
2.83	1630	0.5	2.0	0.1	6.17	31.63	4.70	252	0.314	0.00	0.18
2.83	1635	0.5	2.5	0.1	6.32	31.11	4.69	247	0.316	0.00	0.12
2.83	1640	0.5	3.0	0.1	6.64	31.01	4.70	246	0.318	0.00	0.20
2.83	1645	0.5	3.5	0.1	6.83	31.06	4.70	246	0.317	0.00	0.23
2.83	1650	0.5	4.0	0.1	6.98	30.30	4.70	245	0.321	0.00	0.22
2.83	1655	0.5	4.5	0.1	7.12	30.28	4.69	243	0.322	0.00	0.26
2.83	1700	0.5	5.0	0.1	7.23	31.04	4.69	238	0.321	0.00	0.25
2.83	1705	0.5	5.5	0.1	7.32	30.50	4.64	233	0.325	0.00	0.24

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine O'McCann	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 1700
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.1	TUBING MATERIAL CODE: HE	SAMPLING ENDED AT: 1338
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 DUP-1	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-32I DUP-1	2	1 L	AG	None	8270C-SIM	VT
GW-32I DUP-1	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: GW-33I	SAMPLE ID: GW-33I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 4.07	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1343	PURGING ENDED AT: 1429	TOTAL VOLUME PURGED (liters): 5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	391086HL	

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)
3.10	1348	0.0	0.0	0.12	4.48	39.02	5.52	177	0.081	0.00	8.58
3.10	1353	0.5	0.5	0.12	4.55	35.98	5.29	231	0.078	0.00	9.44
3.10	1358	0.5	1.0	0.12	4.58	34.85	5.24	258	0.074	0.00	9.33
3.10	1403	0.5	1.5	0.12	4.58	34.28	5.15	281	0.073	0.00	8.59
3.10	1408	0.5	2.0	0.12	4.58	33.79	5.23	293	0.072	0.00	8.58
3.10	1413	0.5	2.5	0.12	4.58	33.64	5.22	306	0.072	0.00	8.74
3.10	1418	0.5	3.0	0.12	4.59	33.19	5.22	315	0.072	0.00	8.50
3.10	1423	0.5	3.5	0.12	4.58	32.95	5.22	319	0.072	0.00	8.62
3.10	1428	0.5	4.0	0.12		33.04	5.23	324	0.072	0.00	8.58

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/11/18	1430
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1508

FIELD DECONTAMINATION: Y (N) | FIELD-FILTERED: Y (N) Filtration Equipment Type: _____ FILTER SIZE: _____ µm | 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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-33I	2	1 L	AG	None	8270C-SIM	VT
GW-33I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA		DATE: 9/13/18
WELL NO: GW-415	SAMPLE ID: GW-415		QC Sample Collected:	Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 4.25	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1349	PURGING ENDED AT: 1431	TOTAL VOLUME PURGED (liters): 5.0
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:	°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)
2.61	1355	0.0	0.0	0.11	4.52	36.25	5.53	184	0.079	0.00	0.98
2.61	1400	0.5	0.5	0.11	4.53	33.77	5.34	182	0.078	0.00	0.66
2.61	1405	0.5	1.0	0.11	4.55	32.60	5.31	185	0.078	0.00	0.56
2.61	1410	0.5	1.5	0.11	4.55	31.61	5.31	189	0.074	0.00	0.63
2.61	1415	0.5	2.0	0.11	4.56	31.25	5.29	192	0.073	0.00	0.60
2.61	1420	0.5	2.5	0.11	4.56	31.20	5.27	196	0.072	0.00	0.34
2.61	1425	0.5	3.0	0.11	4.56	31.09	5.29	200	0.069	0.00	0.26
2.61	1430	0.5	3.5	0.11	4.56	31.04	5.27	204	0.068	0.00	0.30

☐ 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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1432
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1510
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-415	1	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-415	2	1 L	AG	None	8270C-SIM	VT
GW-415	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/12/18
WELL NO: GW-42I	SAMPLE ID: GW-42I	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 25 feet to 35 feet	STATIC DEPTH TO WATER (feet): 1.61	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30	PURGING INITIATED AT: 1453	PURGING ENDED AT: 1735	TOTAL VOLUME PURGED (liters): 5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	J910GJHL	

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)
2.80	1659	0.0	0.0	0.12	1.95	39.38	5.66	175	0.043	0.00	1.51
2.80	1704	0.5	0.5	0.12	1.96	35.21	5.41	206	0.039	0.00	1.43
2.80	1709	0.5	1.0	0.12	1.98	34.63	5.34	228	0.038	0.00	1.32
2.80	1714	0.5	1.5	0.12	2.03	33.17	5.34	235	0.037	0.00	1.48
2.80	1719	0.5	2.0	0.12	2.05	32.01	5.37	240	0.038	0.00	1.64
2.80	1724	0.5	2.5	0.12	2.05	31.86	5.35	244	0.037	0.00	1.67
2.80	1729	0.5	3.0	0.12	2.07	31.91	5.38	247	0.037	0.00	1.65
2.80	1734	0.5	3.5	0.12	2.08	31.65	5.35	248	0.038	0.00	1.68

☐ 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:

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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA	
WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/12/18	SAMPLING INITIATED AT: 1736
PUMP OR TUBING DEPTH IN WELL (feet): 30	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1818
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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-42I	2	1 L	AG	None	8270C-SIM	VT
GW-42I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/13/18
WELL NO: GW-43I	SAMPLE ID: GW-43I	QC Sample Collected:	Yes ☐ No ☒	QC Sample ID:	N/A

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 = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1547	PURGING ENDED AT: 1629	TOTAL VOLUME PURGED (liters): 4.5
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:	°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)
2.60	1553	0.0	0.0	0.11	3.21	38.21	5.01	244	0.155	0.00	0.44
2.60	1558	0.5	0.5	0.11	3.38	35.00	4.94	250	0.163	0.00	0.24
2.60	1603	0.5	1.0	0.11	3.44	32.99	4.94	250	0.160	0.00	0.23
2.60	1608	0.5	1.5	0.11	3.51	32.23	4.90	249	0.162	0.00	0.23
2.60	1613	0.5	2.0	0.11	3.54	31.55	4.91	244	0.161	0.00	0.23
2.60	1618	0.5	2.5	0.11	3.60	31.24	4.94	239	0.162	0.00	0.19
2.60	1623	0.5	3.0	0.11	3.60	30.93	4.93	235	0.162	0.00	0.18
2.60	1628	0.5	3.5	0.11	3.62	30.99	4.93	230	0.162	0.00	0.17

☐ 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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/13/18	SAMPLING INITIATED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): 1.5	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1713
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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-43I	2	1 L	AG	None	8270C-SIM	VT
GW-43I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/14/2018
WELL NO: GW-44I	SAMPLE ID: GW-44I	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ——

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 4.37	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 = (30.66 feet – 4.37 feet) x 0.65 liters/foot = 17.1 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): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 8:58	PURGING ENDED AT: 10:38	TOTAL VOLUME PURGED (liters): 13.5
WATER QUALITY INSTRUMENT(S): HORIBA U-53		SERIAL NO(S): URRHL1B1		

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)
3.97	9:03	0.5	0.5	0.13	6.43	28.50	5.80	-2	0.555	3.81	0.00
3.97	9:13	1.3	1.8	0.13	7.91	29.06	5.23	137	0.291	2.80	0.02
3.97	9:23	~~0.75~~ 1.5	~~2.5~~ 2.3	0.15	9.59	28.90	5.13	151	0.257	2.73	0.00
3.97	9:28	0.75	3.1	0.15	10.04	28.84	5.12	151	0.256	2.05	0.00
3.97	9:33	0.75	3.9	0.15	11.09	28.87	5.12	150	0.256	1.62	0.00
3.97	9:38	0.75	4.75	0.15	11.74	28.99	5.12	148	0.255	1.60	0.00
3.97	9:43	0.75	5.5	0.15	12.09	29.15	5.12	147	0.254	1.49	0.00
3.97	9:48	0.75	6.25	0.15	12.38	29.30	5.12	146	0.253	1.42	0.00
3.97	9:53	0.75	7.0	0.15	12.69	29.68	5.13	144	0.251	1.30	0.00
3.97	9:58	0.75	7.75	0.15	13.04	29.78	5.13	144	0.250	1.27	0.00
3.97	10:03	0.75	8.5	0.15	13.25	29.89	5.13	143	0.250	0.73	0.00
3.97	10:08	0.75	9.25	0.15	13.53	30.02	5.14	142	0.249	0.92	0.00
3.97	10:13	0.75	10.0	0.15	13.74	30.16	5.14	141	0.249	0.72	0.00
3.97	10:18	0.75	10.75	0.15	13.94	30.27	5.14	140	0.248	0.66	0.00
3.97	10:23	0.75	11.5	0.15	14.14	30.41	5.15	138	0.247	0.62	0.00
3.26	10:28	0.7	12.2	0.13	14.19	30.46	5.15	137	0.247	0.00	0.00
3.26	10:33	0.7	12.9	0.13	14.25	30.51	5.15	137	0.247	0.58	0.00
3.26	10:38	0.7	13.5	0.13	14.29	30.70	5.15	135	0.247	0.41	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:

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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/14/2018	SAMPLING INITIATED AT: 10:45
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 11:05
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	250 mL	PE	HNO3	8-RCRA Metals	PP
GW-44I	2	1 L	AG	None	8270C-SIM	VT
GW-44I	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/10/18
WELL NO: GW-45	SAMPLE ID: GW-45	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.70	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 = (feet – . feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1253	PURGING ENDED AT: 1320	TOTAL VOLUME PURGED (liters): 6
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	~~12 MLAR U0~~ JM G912JGHL	

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:	26.28 °C	3.64 SU	— mV	4.49 mS/cm	0.00 NTU	9.48 mg/L				
Calibrated Readings:	26.29 °C	4.01 SU	— mV	4.49 mS/cm	0.00 NTU	8.95 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	1255	0.0	0.0	0.2	1.94	30.20	5.51	133	0.414	0.00	0.80
4	1300	1.0	1.0	0.2	1.99	29.24	5.87	39	0.365	0.00	0.00
4	1305	1.0	2.0	0.2	2.02	29.23	5.89	30	0.355	0.00	0.00
4	1310	1.0	3.0	0.2	2.04	29.21	5.89	27	0.350	0.00	0.00
4	1315	1.0	4.0	0.2	2.05	29.58	5.89	25	0.348	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
Justine McConn/AECOM	Justine McConn	9/10/18	1320
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.2	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1340

FIELD DECONTAMINATION: Y (N) | FIELD-FILTERED: Y (N) Filtration Equipment Type: ____ | FILTER SIZE: ____ µm | DUPLICATE: Y (N)

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
~~———~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-45	2	1 L	AG	None	8270C-SIM	VT
GW-45	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA	DATE:	9/12/18
WELL NO:	GW-465	SAMPLE ID:	GW-465	QC Sample Collected: Yes ☒ No ☐	QC Sample ID: DUP-3

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 1.95	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 = (feet – feet) X liters/foot – liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters – liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10	PURGING INITIATED AT: 1442	PURGING ENDED AT: 1517	TOTAL VOLUME PURGED (liters): 4.5
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	5910GJHL	

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)
2.80	1446	0.0	0.0	0.11	1.67	39.96	5.60	120	0.193	0.00	0.98
2.80	1451	0.5	0.5	0.11	1.85	36.17	5.65	93	0.205	0.00	0.11
2.80	1456	0.5	1.0	0.11	2.00	34.34	5.63	85	0.203	0.00	0.02
2.80	1501	0.5	1.5	0.11	2.08	33.42	5.65	81	0.204	0.00	0.00
2.80	1506	0.5	2.0	0.11	2.19	32.92	5.66	79	0.209	0.00	0.00
2.80	1511	0.5	2.5	0.11	2.26	32.78	5.68	76	0.210	0.00	0.00
2.80	1516	0.5	3.0	0.11	2.33	32.50	5.68	75	0.219	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
J. McCann /AECOM	Justine McCann	9/12/18	1518
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.11	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1627
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-H05 DUP-3	2	1 L	AG	None	8270C-SIM	VT
GW-H05 DUP-3	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/14/2018
WELL NO: GW-475	SAMPLE ID: GW-475	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: —

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): 2.82	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 – 2.82 feet) X 0.65 liters/foot = 8.1 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: 7:33	PURGING ENDED AT: 8:16	TOTAL VOLUME PURGED (liters): 6.5
WATER QUALITY INSTRUMENT(S): HORIBA U-53		SERIAL NO(S): VRRHL7B7		

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:	27.20 °C	3.96 SU	340 mV	4.54 mS/cm	0.76 NTU	7.72 mg/L
Calibrated Readings:	27.15 °C	4.01 SU	341 mV	4.50 mS/cm	0.00 NTU	7.82 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	7:36	0.5	0.5	0.15	3.23	27.09	4.77	173	3.34	11.8	4.86
4.0	7:46	1.5	2.0	0.15	3.38	27.10	5.95	-55	0.874	6.58	0.67
4.0	7:51	0.75	2.75	0.15	3.38	27.26	6.03	-82	0.641	5.47	0.01
4.0	7:56	0.75	3.5	0.15	3.38	27.35	6.05	-86	0.647	3.96	0.00
4.0	8:01	0.75	4.25	0.15	3.38	27.42	6.09	-92	0.667	2.90	0.00
4.0	8:06	0.75	5.0	0.15	3.38	27.49	6.12	-96	0.703	2.90	0.00
4.0	8:11	0.75	5.75	0.15	3.38	27.64	6.16	-100	0.732	1.53	0.00
4.0	8:16	0.75	6.5	0.15	3.38	27.86	6.20	-104	0.743	1.17	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:

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:	

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell/AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/14/2018	SAMPLING INITIATED AT: 8:20
PUMP OR TUBING DEPTH IN WELL (feet): 10	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 8:40
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
GW-475	2	1 L	AG	None	8270C-SIM	VT
GW-475	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: PZ-1	SAMPLE ID: PZ-1	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: NA

PURGING DATA

WELL DIAMETER (inches): 1	WELL SCREEN INTERVAL DEPTH: 4.4 feet to 9.4 feet	STATIC DEPTH TO WATER (feet): 6.28	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 = (feet – feet) X liters/foot = liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters = liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0836	PURGING ENDED AT: 0850	TOTAL VOLUME PURGED (liters): 2
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:	28.92	°C	4.00	SU	315	mV	4.54	mS/cm	0.58	NTU	9.68	mg/L
Calibrated Readings:	28.91	°C	4.01	SU	331	mV	4.51	mS/cm	0.00	NTU	7.40	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)
2.97	0838	0.0	0.0	0.12	7.29	26.06	5.26	170	0.148	0.00	0.22
2.97	0843	0.5	0.5	0.12	8.04	26.09	5.32	148	0.123	0.00	0.10
2.97	0848	1.0	1.0	0.12	8.84	26.13	5.15	163	0.091	0.00	0.00
	~~0853~~	well	dry at	0850							

☐ 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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McLann/AECOM	SAMPLER(S) SIGNATURES: Justine McLann	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 1520
PUMP OR TUBING DEPTH IN WELL (feet): 9	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1547
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8-RCRA Metals~~	~~PP~~
PZ-1	2	1 L	AG	None	8270C-SIM	VT
PZ-1	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/13/2018
WELL NO. ~~GW~~ PZ-2	SAMPLE ID: ~~GW~~ PZ-2	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: ~~-9~~

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 10.24	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 = (18.24 feet – 10.24 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): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 8:51	PURGING ENDED AT: 10:19	TOTAL VOLUME PURGED (liters): 8.2
WATER QUALITY INSTRUMENT(S):	HORIBA U-53	SERIAL NO(S):	URRHL1B1	

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:	28.16 °C	4.16 SU	361 mV	4.41 mS/cm	0.36 NTU	7.84 mg/L	
Calibrated Readings:	28.18 °C	4.00 SU	366 mV	4.51 mS/cm	0.22 NTU	7.52 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)
3.02	8:54	0.5	0.5	0.09	10.37	25.52	5.29	163	0.095	33.9	0.25
3.14	9:04	1.0	1.5	0.10	10.42	25.45	5.31	155	0.100	37.8	0.13
3.14	9:14	1.0	2.5	0.10	10.44	25.35	5.38	124	0.130	44.5	0.00
3.14	9:19	0.5	3.0	0.10	10.46	25.30	5.62	84	0.170	35.3	0.00
3.14	9:24	0.5	3.5	0.10	10.48	25.36	5.69	61	0.189	34.0	0.00
3.14	9:29	0.5	4.0	0.10	10.48	25.55	5.74	41	0.203	30.1	0.00
3.14	9:34	0.5	4.0	0.10	10.48	25.66	5.75	35	0.210	25.3	0.00
3.14	9:39	0.5	4.0	0.10	10.48	25.67	5.76	35	0.216	25.2	0.00
3.14	9:44	0.5	4.5	0.10	10.48	25.74	5.80	34	0.227	21.3	0.00
3.14	9:49	0.5	5.0	0.10	10.49	25.85	5.83	26	0.236	19.1	0.00
3.40	9:54	0.6	5.6	0.12	10.51	25.84	5.84	18	0.240	18.7	0.00
3.40	9:59	0.6	6.2	0.12	10.52	25.82	5.86	17	0.242	16.9	0.00
3.26	10:04	0.5	6.7	0.11	10.52	25.95	5.89	16	0.253	12.6	0.00
3.26	10:09	0.5	7.2	0.11	10.52	26.11	5.91	8	0.268	10.8	0.00
3.26	10:14	0.5	7.7	0.11	10.51	26.27	5.92	1	0.278	6.96	0.00
3.26	10:19	0.5	8.2	0.11	10.51	26.42	5.96	-5	0.283	6.74	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:

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

SITE NAME: GDOT – Walker Street		SITE LOCATION: Walker Street West Douglas, Coffee County, GA
WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Jamie VanTassell /AECOM	SAMPLER(S) SIGNATURES: Jamie VanTassell	DATE SAMPLED: 9/13/2018	SAMPLING INITIATED AT: 10:25
PUMP OR TUBING DEPTH IN WELL (feet): 13	SAMPLE PUMP FLOW RATE (L per minute): 0.10	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 10:45
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		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~
PZ-2	2	1 L	AG	None	8270C-SIM	VT
PZ-2	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/11/18
WELL NO: PZ-3	SAMPLE ID: PZ-3	QC Sample Collected: Yes ☐ No ☒	QC Sample ID: N/A

PURGING DATA

WELL DIAMETER (inches): 2	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 8.98	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 = (feet – feet) X liters/foot ~ liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (feet X liters/foot) + liters ~ liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 0939	PURGING ENDED AT: 1004	TOTAL VOLUME PURGED (liters): 2
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:	°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)
3.13	0944	0.0	0.0	0.13	9.10	26.86	5.77	78	0.226	0.00	0.19
3.13	0949	0.5	0.5	0.13	9.18	26.81	5.94	43	0.227	0.00	0.54
3.13	0954	0.5	1.0	0.13	9.26	26.82	5.92	33	0.227	0.00	0.06
3.13	0959	0.5	1.5	0.13	9.37	26.81	5.92	28	0.227	0.00	0.00
3.13	1004	0.5	2.0	0.13	9.45	26.84	5.93	25	0.227	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:

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

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: J. McCann /AECOM	SAMPLER(S) SIGNATURES: Justine McCann	DATE SAMPLED: 9/11/18	SAMPLING INITIATED AT: 1005
PUMP OR TUBING DEPTH IN WELL (feet): 13	SAMPLE PUMP FLOW RATE (L per minute): 0.13	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1044
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE ID	SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
	# CONTAINERS	VOLUME	MATERIAL CODE	PRESERVATIVE USED		
~~—~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	8-RCRA Metals	PP
PZ-3	2	1 L	AG	None	8270C-SIM	VT
PZ-3	2	40 mL	CG	HCl	8260 – 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)

AECOM GROUNDWATER SAMPLING LOG

SITE NAME: GDOT – Walker Street	SITE LOCATION: Walker Street West, Douglas, Coffee County, GA		DATE: 9/12/18
WELL NO: PZ-4	SAMPLE ID: PZ-4	QC Sample Collected: Yes ☐ No ☐	QC Sample ID:

PURGING DATA

WELL DIAMETER (inches): 2"	WELL SCREEN INTERVAL DEPTH: 5 feet to 10 feet	STATIC DEPTH TO WATER (feet): 5.38	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 = (10.11 feet – 5.38 feet) X 0.65 liters/foot = 3.1 liters

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOLUME = (TOTAL LENGTH OF TUBING X TUBING CAPACITY) + FLOW THROUGH CELL VOLUME

1 EQUIPMENT VOLUME = (24 feet X 0.005 liters/foot) + 0.4 liters = 0.5 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT: 1435	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)
3.5	1439	0.5	0.5	0.12	5.82	36.1	5.86	28	0.252	277	0.77
3.5	1449	1.2	1.7	0.12	7.24	31.3	6.07	-26	0.318	57.6	0.33
3.5	1454	0.6	2.3	0.12	7.97	31.0	6.17	-57	0.342	>800	0.26
3.5	1459	0.6	2.9	0.12							
1504	Purged Dry @ 5 L										
1514	Pump again										
1515	Dry @ 0.25 L										
			Total Purged 5.25 L								

☐ 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:
1450 – Lower tubing to 9.5' bls.
1455 – Disconnect flow cell to prevent fouling of probes.
Pump dry.
0.23 L Pan x

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

SITE NAME:	GDOT – Walker Street	SITE LOCATION:	Walker Street West Douglas, Coffee County, GA

WELL NO:	SAMPLE ID:	DATE:

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										

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	DATE SAMPLED:	SAMPLING INITIATED AT:
R. Hilliard /AECOM	[signature]	9/13/18	1609
PUMP OR TUBING DEPTH IN WELL (feet): 9'	SAMPLE PUMP FLOW RATE (L per minute): 0.12	TUBING MATERIAL CODE: PE	SAMPLING ENDED AT: 1632
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		
~~1~~	~~1~~	~~250 mL~~	~~PE~~	~~HNO3~~	~~8 RCRA Metals~~	~~PP~~
PZ-4	2	1 L	AG	None	8270C-SIM	VT
PZ-4	2	40 mL	CG	HCl	8260 – BTEX	RFPP

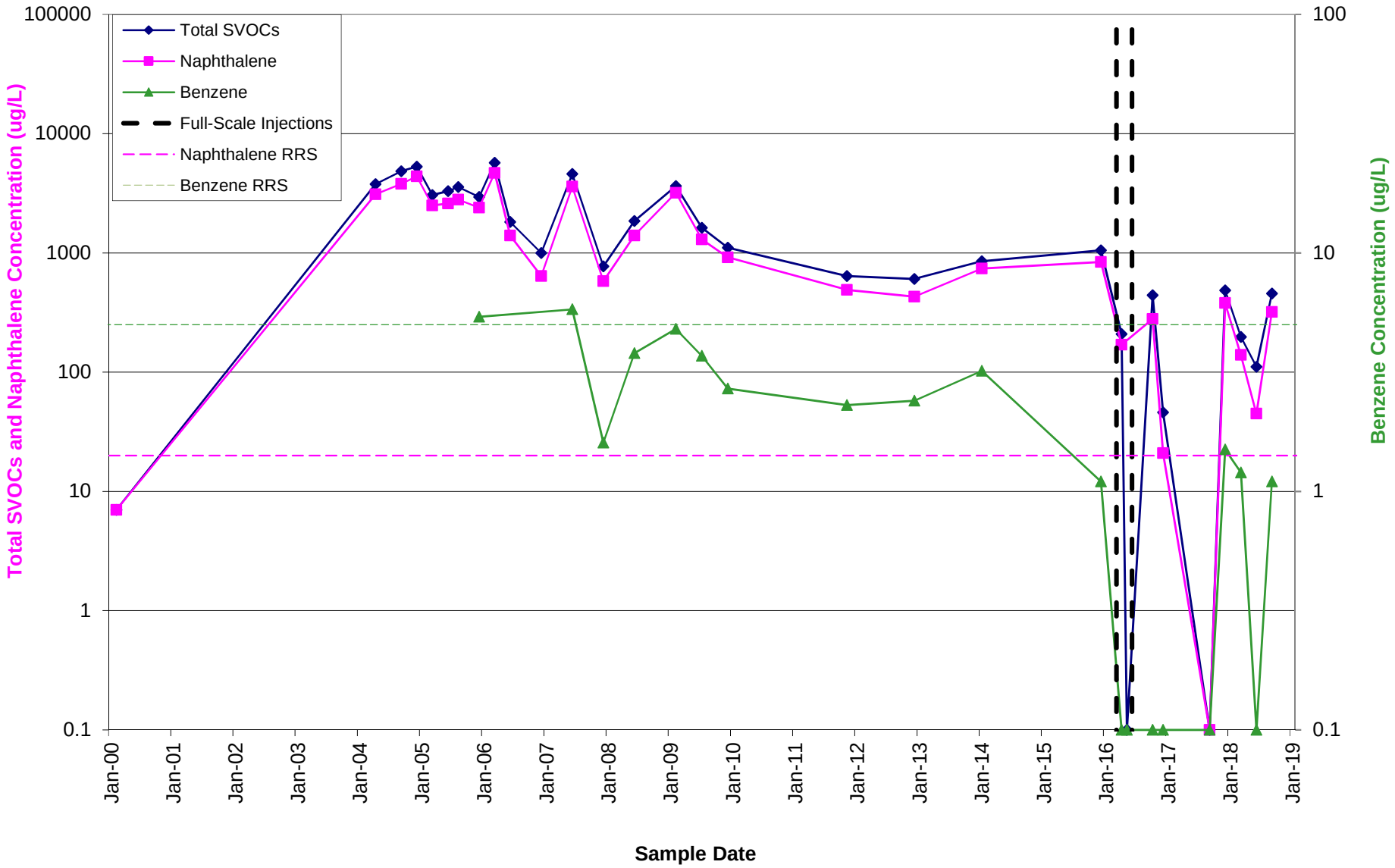
REMARKS:

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)

Appendix C
Trend Charts for Total SVOCs, Naphthalene, and Benzene in Groundwater at Performance Monitoring Well Locations

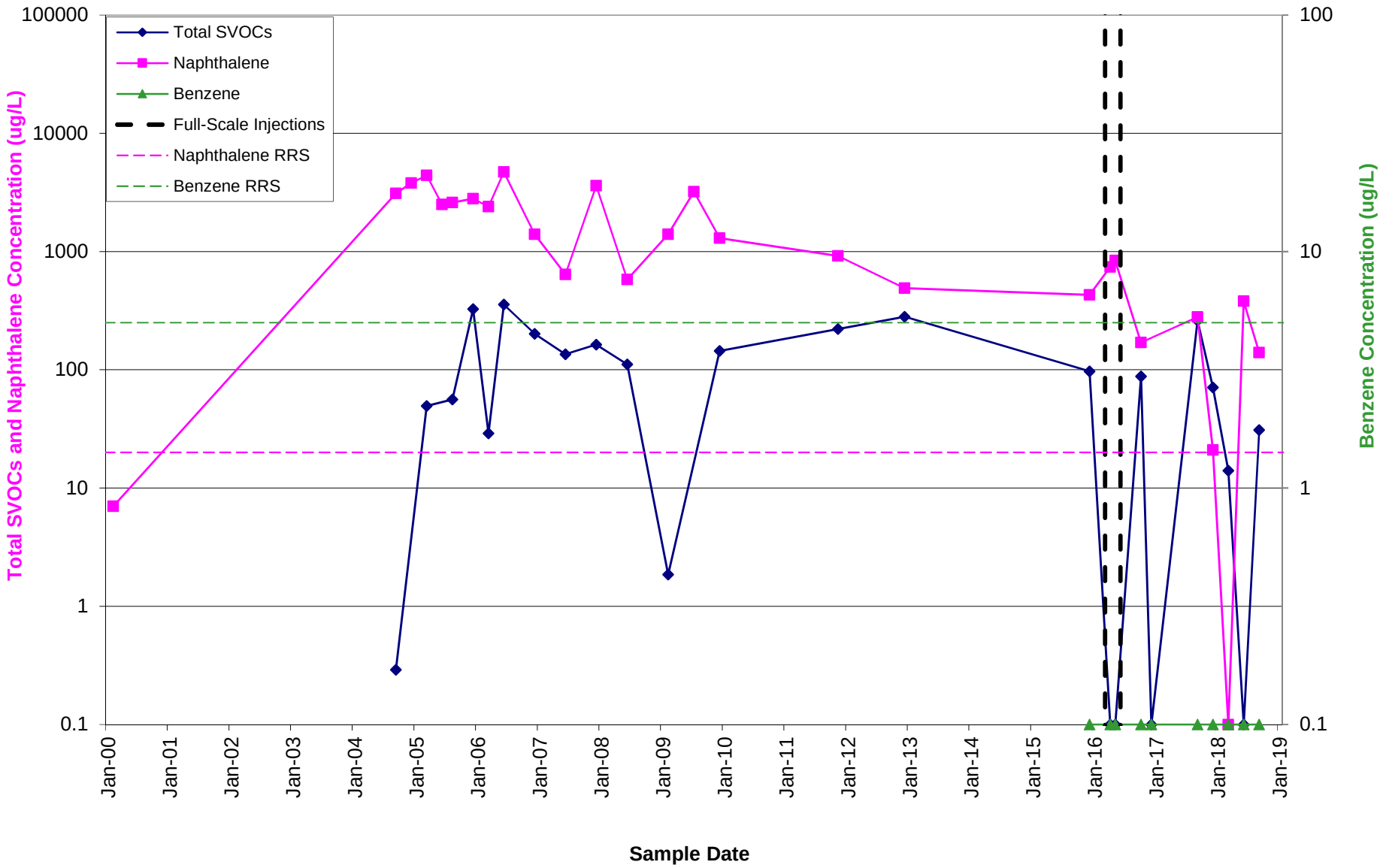
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-20S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

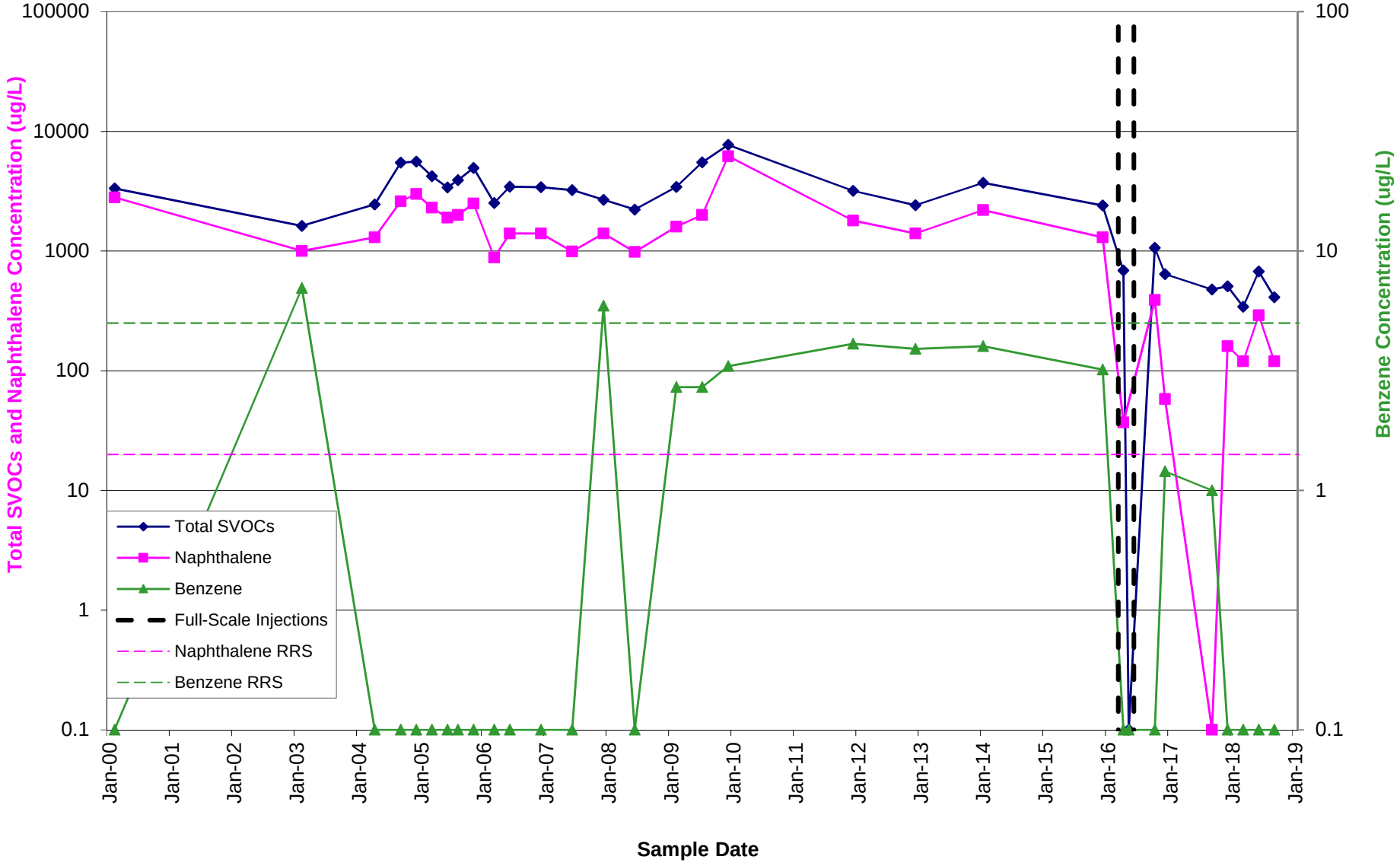
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-20I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

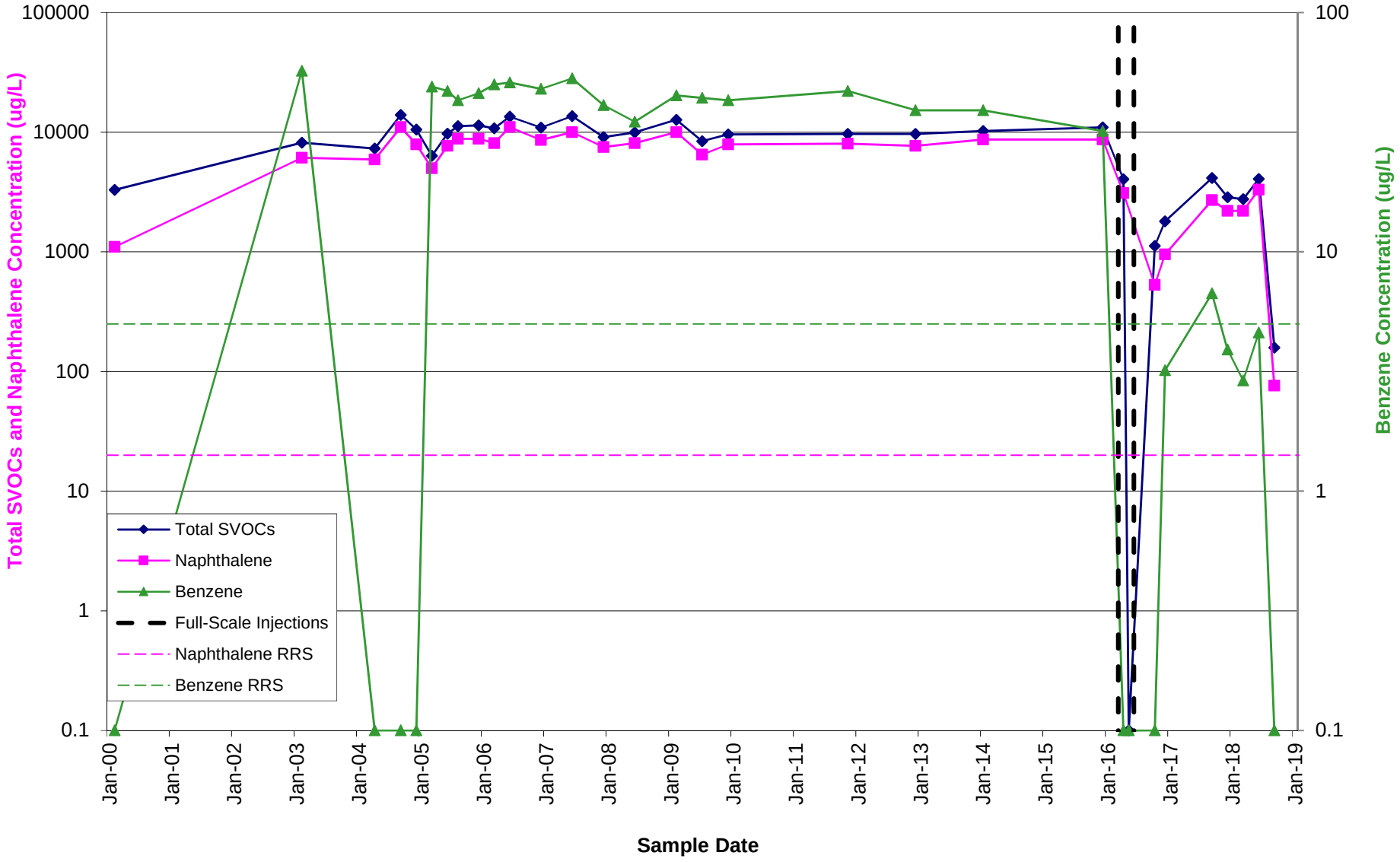
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-24I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

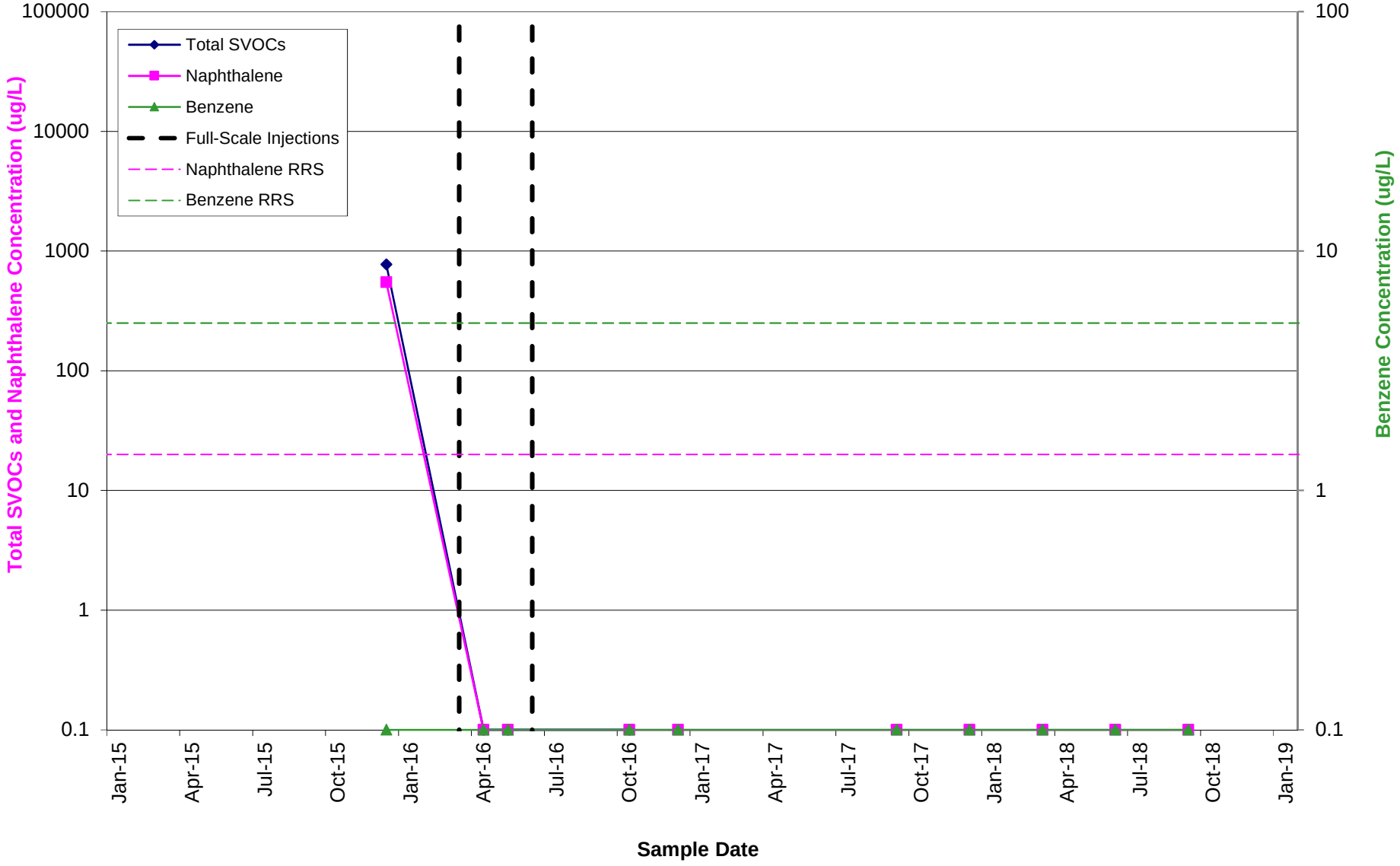
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-27I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

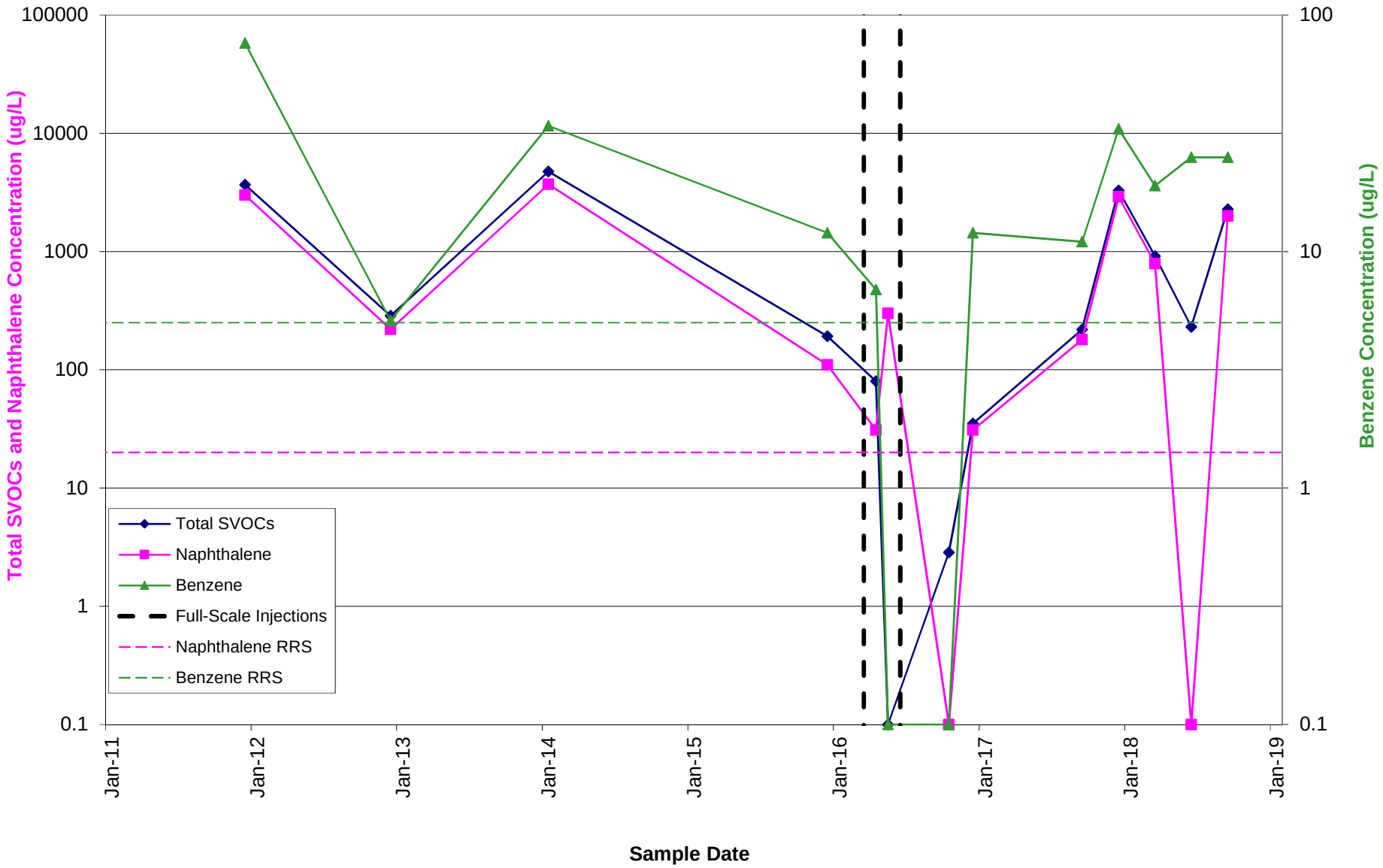
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-28I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

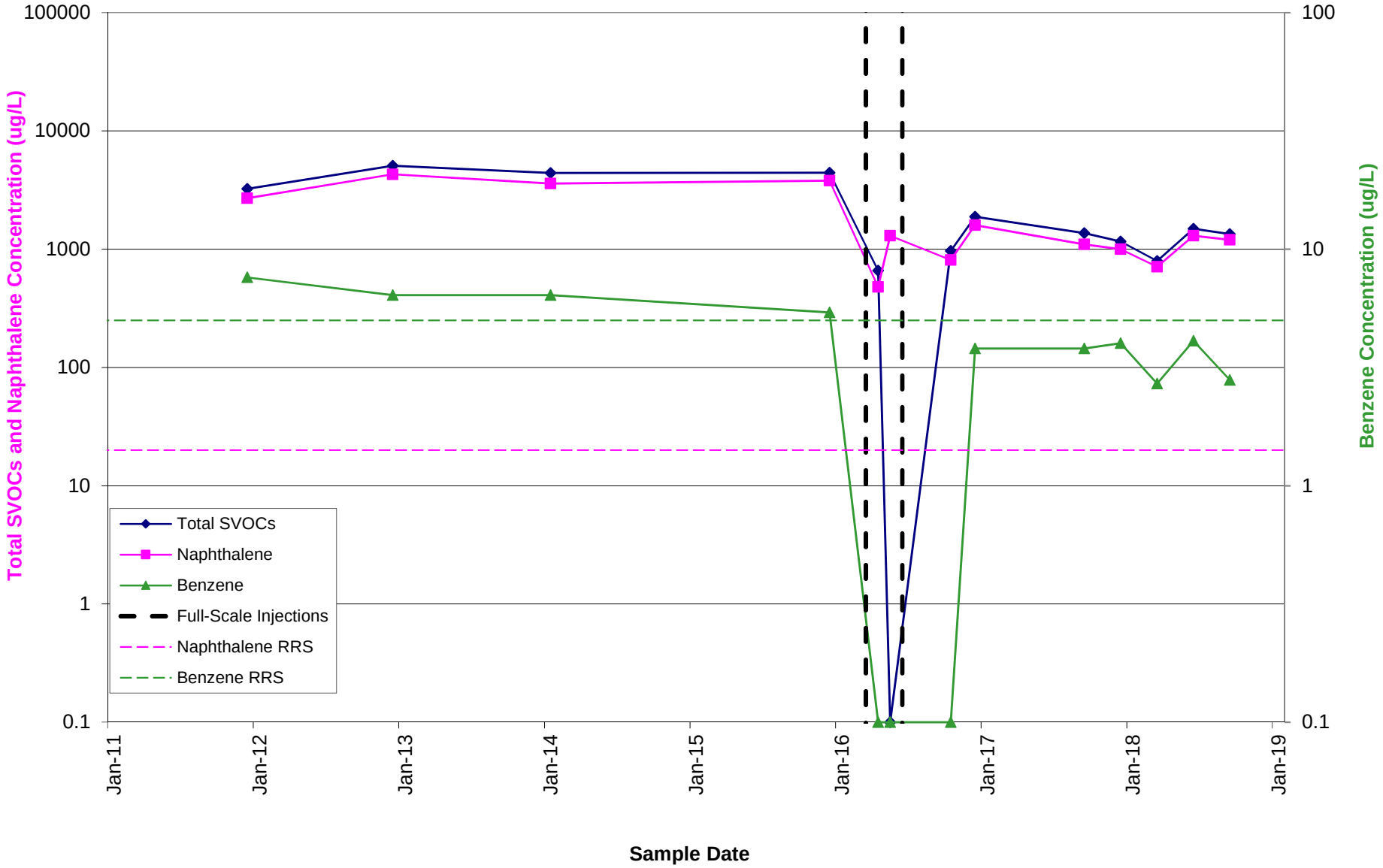
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-29S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

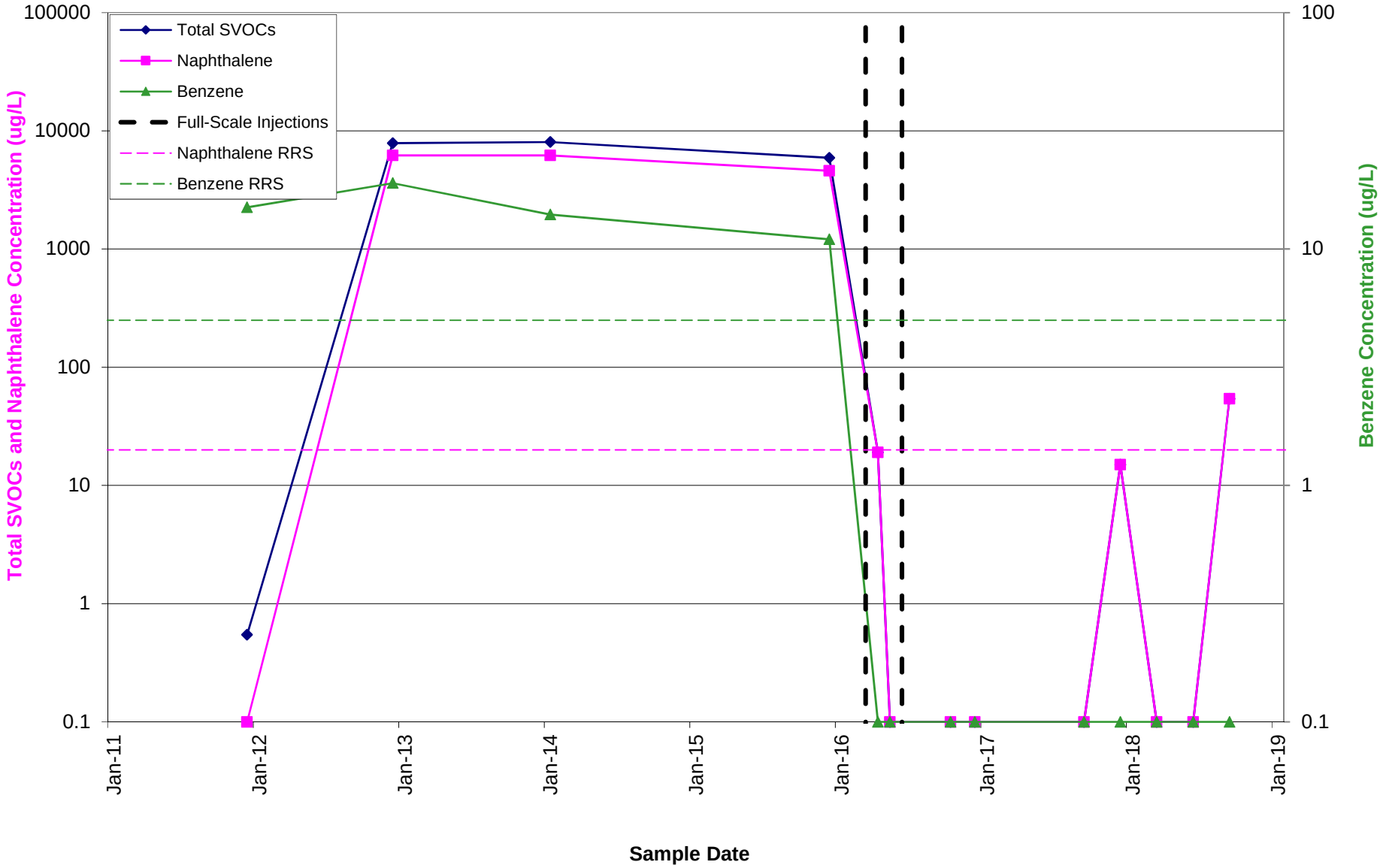
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-31I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

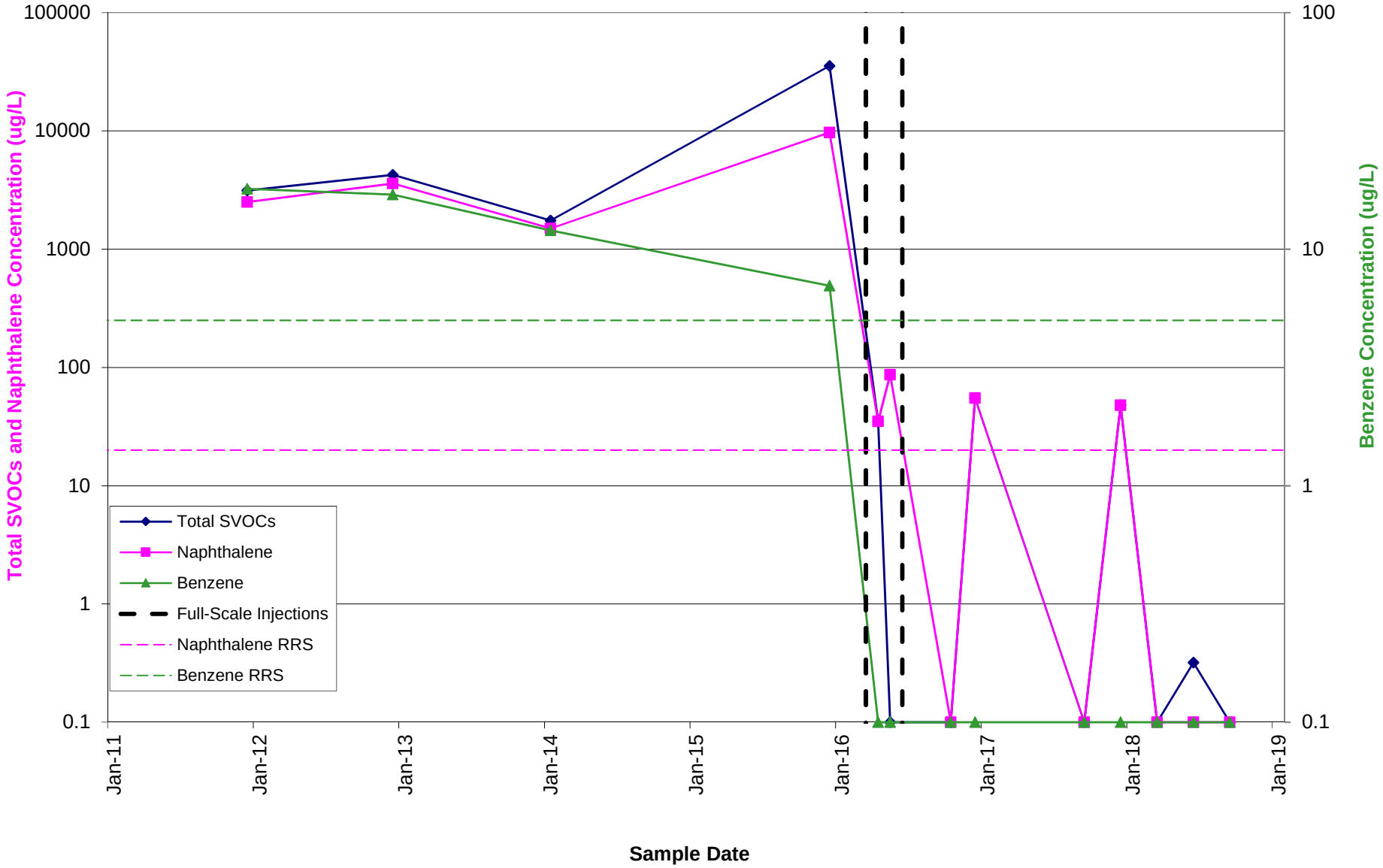
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-32I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

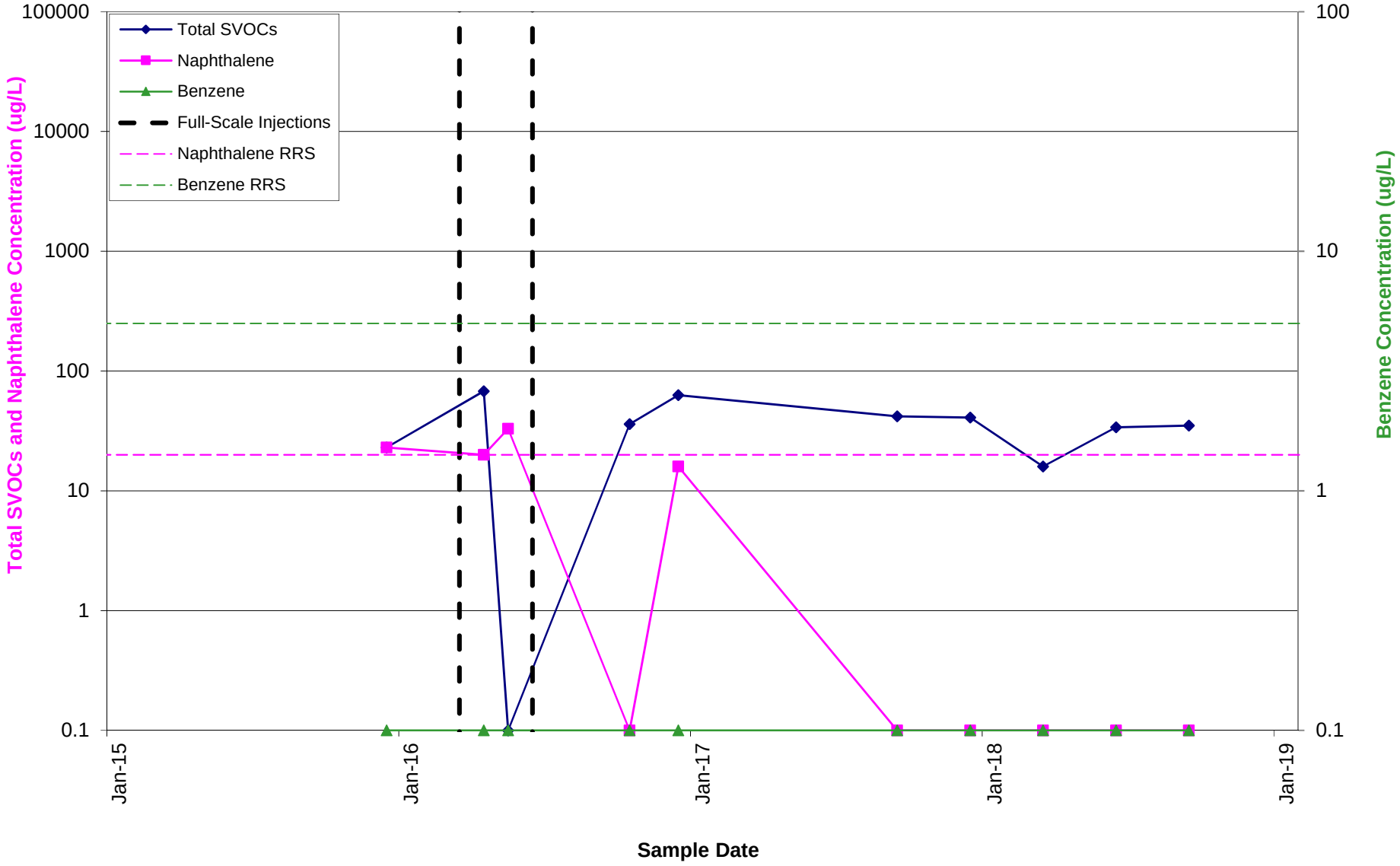
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-33I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

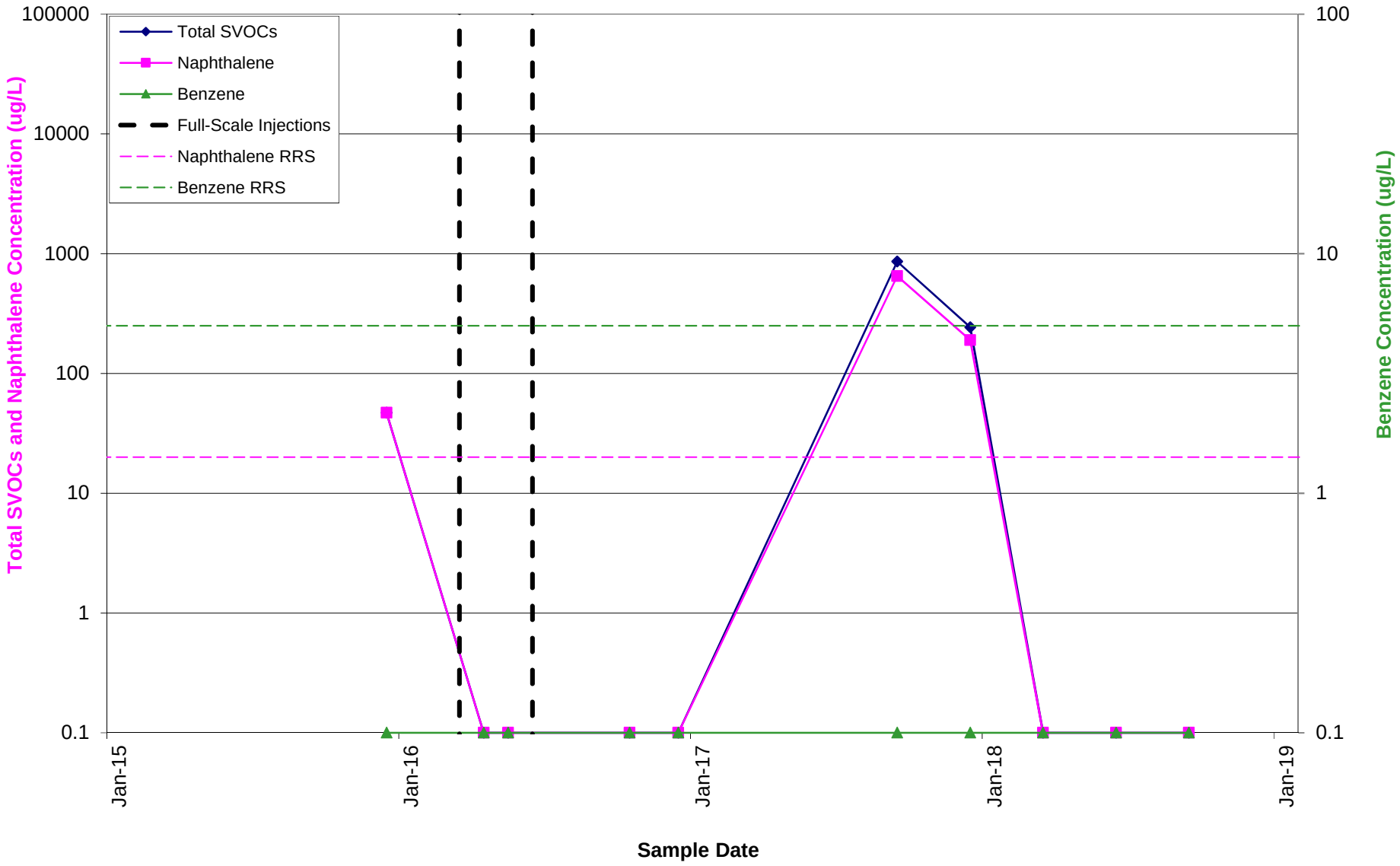
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-41S



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

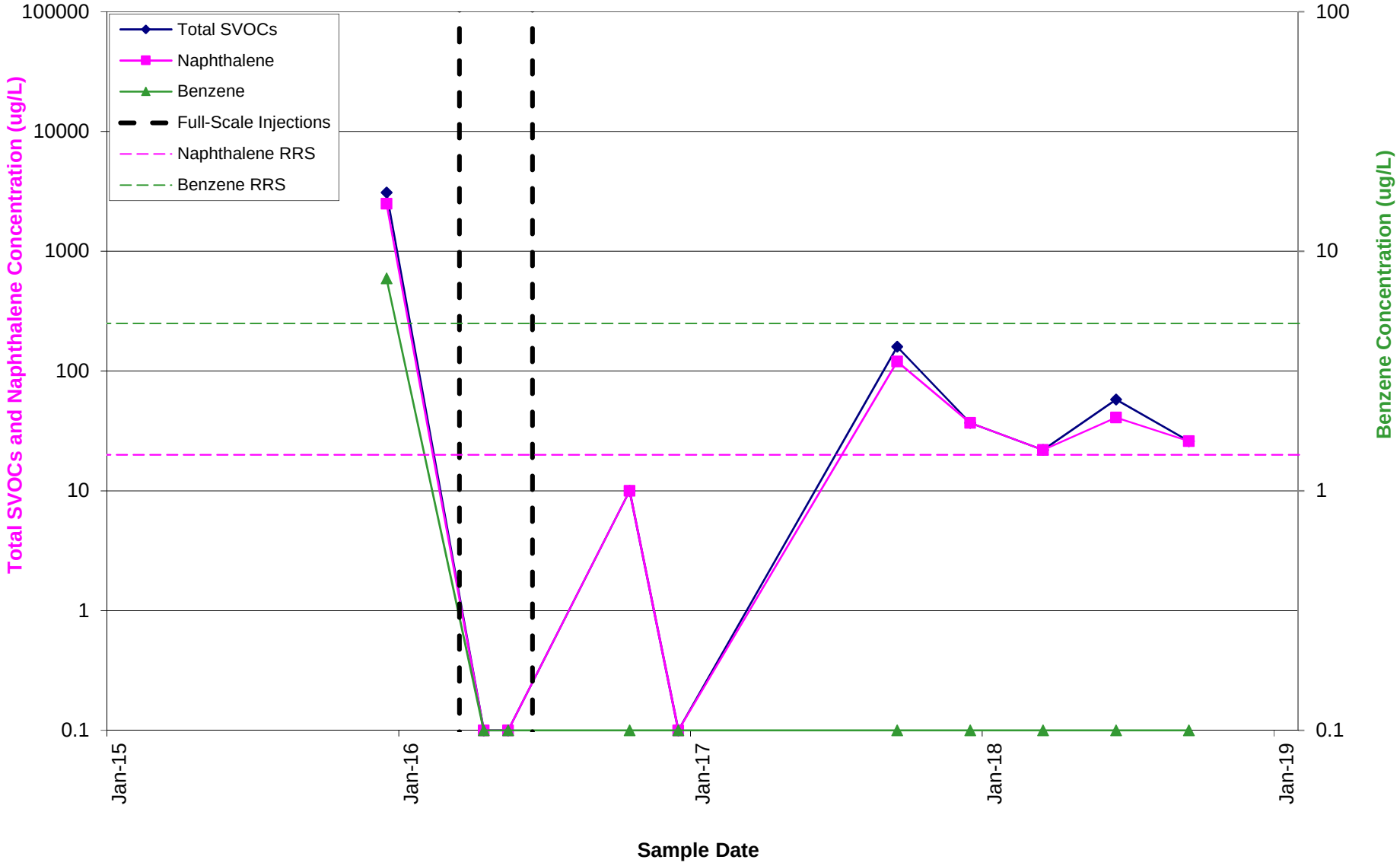
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-42I



Note: Non-detect results plotted as 0.1.

- - - Full-Scale ISCO GW Injections

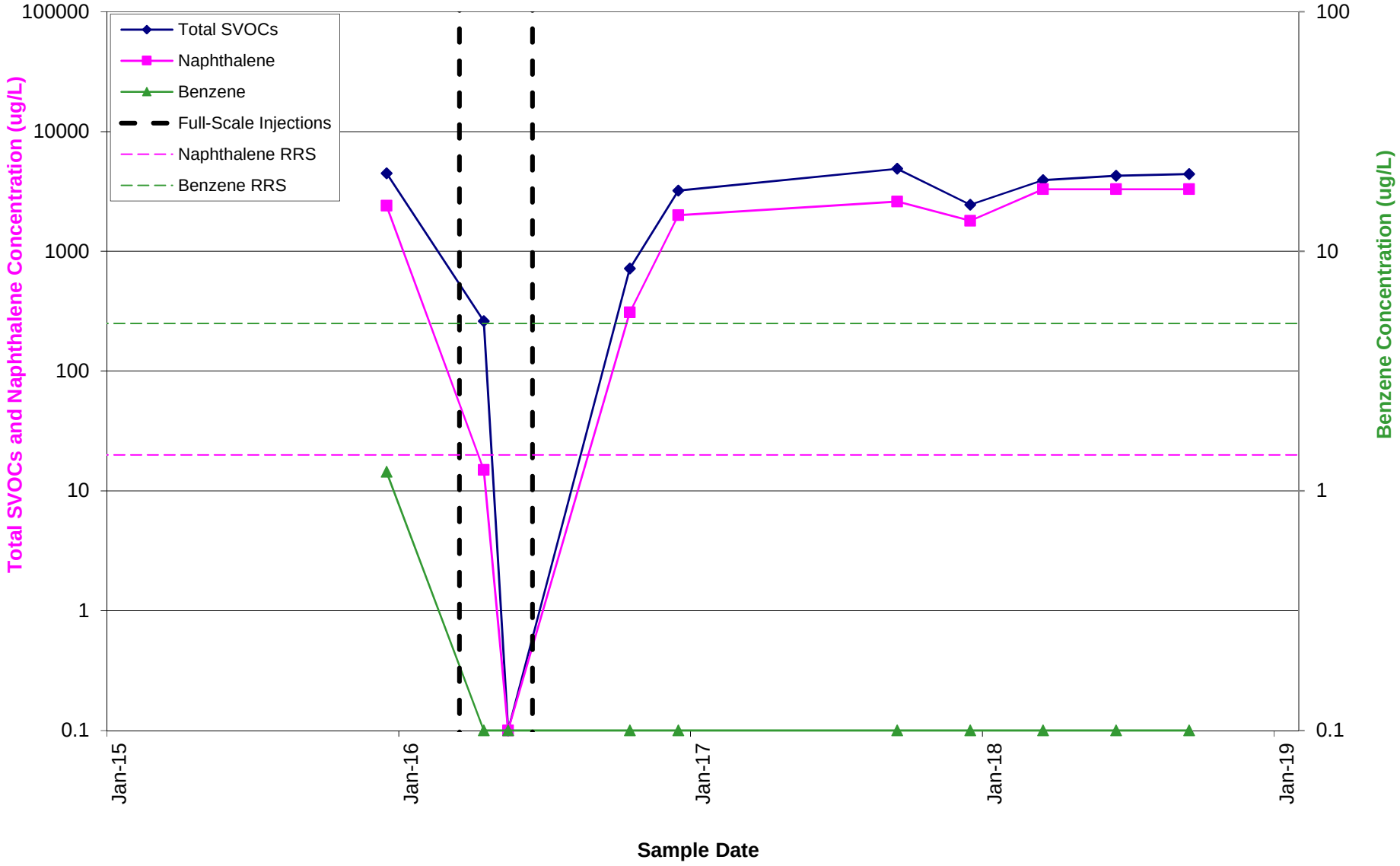
Trend Chart for Total SVOCs/Naphthalene and Benzene at GW-43I



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

June 2018 Laboratory Analytical Reports:
1806C45
1806E13
1806F59

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

June 21, 2018

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1806C45

Analytical Environmental Services, Inc. received 4 samples on 6/13/2018 7:30:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

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: 18060045

Date: 6/12/18 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 / R. A. Jackson

SIGNATURE: [signature]

ANALYSIS REQUESTED

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	BTEX	8270C-SIM	RCRA metals	Hex. Chromium	Chloride									REMARKS	Number of Containers
							PRESERVATION (see codes)														
							HI	I	N	I	I										
1	GW-20I	6/12/18	1130	X		GW	2	2	1	1	1										7
2	GW-20S	6/12/18	1133	X		GW	2	2	1	1	1										7
3	GW-42I	6/12/18	1517	X		GW	2	2	1	1	1										7
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					

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

RELINQUISHED BY: DATE/TIME:
1. [signature] 6/12/18 16:45
2.
3.

RECEIVED BY: DATE/TIME:
1. FedEx 809509881705
2. Tampa Sales 6/13/18 730
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: 213 Walker Street W Douglas GA 31533
SEND REPORT TO: Felix.Nchako@aecom.com
INVOICE TO: (IF DIFFERENT FROM ABOVE) cc: ron.hilliard@aecom.com
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

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1806C45

Case Narrative

Sample Receiving Non-conformance:

A trip blank was provided but not listed on the chain of custody. Trip blank analyzed at no cost to the client.

Analytical Environmental Services, Inc **Date:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-20I
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 11:30:00 AM
Lab ID:	1806C45-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 01:58	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 01:58	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 01:58	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 01:58	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 01:58	JB
Surr: 4-Bromofluorobenzene	91.4	68-127		%REC	262547	1	06/17/2018 01:58	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 15:34	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 15:34	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 15:34	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 15:34	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 15:34	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 15:34	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 15:34	YH
Surr: 4-Terphenyl-d14	133	59.9-128	S	%REC	262385	1	06/19/2018 15:34	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262317	1	06/14/2018 15:31	AS
ION SCAN SW9056A								
Chloride	3.1	1.0		mg/L	R372897	1	06/13/2018 13:00	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372723	1	06/13/2018 10:30	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262373	1	06/15/2018 18:33	DG
Barium	0.0230	0.0200		mg/L	262373	1	06/15/2018 18:33	DG
Cadmium	BRL	0.0050		mg/L	262373	1	06/15/2018 18:33	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-20I
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 11:30:00 AM
Lab ID:	1806C45-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
METALS, TOTAL SW6010D				**(SW3010A)**				
Chromium	BRL	0.0100		mg/L	262373	1	06/15/2018 18:33	DG
Lead	BRL	0.0100		mg/L	262373	1	06/15/2018 18:33	DG
Selenium	BRL	0.0200		mg/L	262373	1	06/15/2018 18:33	DG
Silver	BRL	0.0100		mg/L	262373	1	06/15/2018 18:33	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-20S
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 11:33:00 AM
Lab ID:	1806C45-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/18/2018 00:43	JB
Toluene	BRL	1.0		ug/L	262547	1	06/18/2018 00:43	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/18/2018 00:43	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/18/2018 00:43	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/18/2018 00:43	JB
Surr: 4-Bromofluorobenzene	91.3	68-127		%REC	262547	1	06/18/2018 00:43	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	45	10		ug/L	262385	10	06/20/2018 16:11	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Acenaphthene	31	10		ug/L	262385	10	06/20/2018 16:11	YH
Fluorene	35	10		ug/L	262385	10	06/20/2018 16:11	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Benz(a)anthracene	0.055	0.050		ug/L	262385	1	06/19/2018 16:02	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 16:02	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 16:02	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 16:02	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 16:02	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 16:02	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 16:02	YH
Surr: 4-Terphenyl-d14	142	59.9-128	S	%REC	262385	1	06/19/2018 16:02	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262317	1	06/14/2018 15:34	AS
ION SCAN SW9056A								
Chloride	22	1.0		mg/L	R372897	1	06/13/2018 13:15	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372723	1	06/13/2018 10:30	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262373	1	06/15/2018 18:36	DG
Barium	0.158	0.0200		mg/L	262373	1	06/15/2018 18:36	DG
Cadmium	BRL	0.0050		mg/L	262373	1	06/15/2018 18:36	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-20S
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 11:33:00 AM
Lab ID:	1806C45-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262373	1	06/15/2018 18:36	DG
Lead	BRL	0.0100		mg/L	262373	1	06/15/2018 18:36	DG
Selenium	BRL	0.0200		mg/L	262373	1	06/15/2018 18:36	DG
Silver	BRL	0.0100		mg/L	262373	1	06/15/2018 18:36	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-42I
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 3:17:00 PM
Lab ID:	1806C45-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 02:22	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 02:22	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 02:22	JB
m,p-Xylene	2.0	1.0		ug/L	262547	1	06/17/2018 02:22	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 02:22	JB
Surr: 4-Bromofluorobenzene	89.6	68-127		%REC	262547	1	06/17/2018 02:22	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 17:26	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 17:26	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 17:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 17:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 17:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 17:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 17:26	YH
Surr: 4-Terphenyl-d14	125	59.9-128		%REC	262385	1	06/19/2018 17:26	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262317	1	06/14/2018 15:37	AS
ION SCAN SW9056A								
Chloride	3.2	1.0		mg/L	R372918	1	06/13/2018 12:58	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372723	1	06/13/2018 10:30	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262373	1	06/15/2018 18:43	DG
Barium	BRL	0.0200		mg/L	262373	1	06/15/2018 18:43	DG
Cadmium	BRL	0.0050		mg/L	262373	1	06/15/2018 18:43	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-42I
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018 3:17:00 PM
Lab ID:	1806C45-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262373	1	06/15/2018 18:43	DG
Lead	BRL	0.0100		mg/L	262373	1	06/15/2018 18:43	DG
Selenium	BRL	0.0200		mg/L	262373	1	06/15/2018 18:43	DG
Silver	BRL	0.0100		mg/L	262373	1	06/15/2018 18:43	DG

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:** 21-Jun-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK
Project Name	GDOT - Walker Street	**Collection Date:**	6/12/2018
Lab ID:	1806C45-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/16/2018 21:54	JB
Toluene	BRL	1.0		ug/L	262547	1	06/16/2018 21:54	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/16/2018 21:54	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/16/2018 21:54	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/16/2018 21:54	JB
Surr: 4-Bromofluorobenzene	91	68-127		%REC	262547	1	06/16/2018 21:54	JB

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

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____ AES Work Order Number: _____

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 _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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). _____

		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). _____

		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?					

I certify that I have completed sections 28-30 (dated initials). _____

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1806C45

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806C45-001A	GW-20I	6/12/2018 11:30:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00PM	06/17/2018
1806C45-001B	GW-20I	6/12/2018 11:30:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806C45-001C	GW-20I	6/12/2018 11:30:00AM	Groundwater	TOTAL METALS BY ICP		6/14/2018 11:57:00AM	06/15/2018
1806C45-001C	GW-20I	6/12/2018 11:30:00AM	Groundwater	TOTAL MERCURY		6/14/2018 11:57:00AM	06/14/2018
1806C45-001D	GW-20I	6/12/2018 11:30:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/13/2018
1806C45-001E	GW-20I	6/12/2018 11:30:00AM	Groundwater	ION SCAN			06/13/2018
1806C45-002A	GW-20S	6/12/2018 11:33:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00PM	06/18/2018
1806C45-002B	GW-20S	6/12/2018 11:33:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806C45-002B	GW-20S	6/12/2018 11:33:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/20/2018
1806C45-002C	GW-20S	6/12/2018 11:33:00AM	Groundwater	TOTAL METALS BY ICP		6/14/2018 11:57:00AM	06/15/2018
1806C45-002C	GW-20S	6/12/2018 11:33:00AM	Groundwater	TOTAL MERCURY		6/14/2018 11:57:00AM	06/14/2018
1806C45-002D	GW-20S	6/12/2018 11:33:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/13/2018
1806C45-002E	GW-20S	6/12/2018 11:33:00AM	Groundwater	ION SCAN			06/13/2018
1806C45-003A	GW-42I	6/12/2018 3:17:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00PM	06/17/2018
1806C45-003B	GW-42I	6/12/2018 3:17:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806C45-003C	GW-42I	6/12/2018 3:17:00PM	Groundwater	TOTAL METALS BY ICP		6/14/2018 11:57:00AM	06/15/2018
1806C45-003C	GW-42I	6/12/2018 3:17:00PM	Groundwater	TOTAL MERCURY		6/14/2018 11:57:00AM	06/14/2018
1806C45-003D	GW-42I	6/12/2018 3:17:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/13/2018
1806C45-003E	GW-42I	6/12/2018 3:17:00PM	Groundwater	ION SCAN			06/13/2018
1806C45-004A	TRIP BLANK	6/12/2018 12:00:00AM	Aqueous	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00PM	06/16/2018

Client: AECOM
Project Name GDOT - Walker Street
Workorder: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262317

Sample ID: **MB-262317** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **372904**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **262317** Analysis Date: **06/14/2018** Seq No: **8280373**

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-262317** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **372904**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **262317** Analysis Date: **06/14/2018** Seq No: **8280374**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005214	0.00020	0.0050		104	80	120				

Sample ID: **1806977-006CMS** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **372904**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **262317** Analysis Date: **06/14/2018** Seq No: **8280386**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005495	0.00020	0.0050		110	75	125				

Sample ID: **1806977-006CMSD** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **372904**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **262317** Analysis Date: **06/14/2018** Seq No: **8280390**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005238	0.00020	0.0050		105	75	125	0.005495	4.78	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262373

Sample ID: **MB-262373** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **373064**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **262373** Analysis Date: **06/15/2018** Seq No: **8285077**

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-262373** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **373064**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262373** Analysis Date: **06/15/2018** Seq No: **8285078**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.104	0.0500	1.000		110	80	120				
Barium	1.064	0.0200	1.000		106	80	120				
Cadmium	1.030	0.0050	1.000		103	80	120				
Chromium	1.097	0.0100	1.000		110	80	120				
Lead	1.063	0.0100	1.000		106	80	120				
Selenium	1.039	0.0200	1.000		104	80	120				
Silver	0.1054	0.0100	0.1000		105	80	120				

Sample ID: **1806912-001DMS** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **373064**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262373** Analysis Date: **06/15/2018** Seq No: **8285080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.131	0.0500	1.000		113	75	125				
Barium	1.101	0.0200	1.000	0.01489	109	75	125				
Cadmium	1.055	0.0050	1.000		105	75	125				
Chromium	1.119	0.0100	1.000		112	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262373

Sample ID: **1806912-001DMS** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **373064**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262373** Analysis Date: **06/15/2018** Seq No: **8285080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.087	0.0100	1.000		109	75	125				
Selenium	1.058	0.0200	1.000		106	75	125				
Silver	0.1080	0.0100	0.1000		108	75	125				

Sample ID: **1806912-001DMSD** Client ID: Units: **mg/L** Prep Date: **06/14/2018** Run No: **373064**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **262373** Analysis Date: **06/15/2018** Seq No: **8285081**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.103	0.0500	1.000		110	75	125	1.131	2.47	20	
Barium	1.081	0.0200	1.000	0.01489	107	75	125	1.101	1.78	20	
Cadmium	1.032	0.0050	1.000		103	75	125	1.055	2.16	20	
Chromium	1.098	0.0100	1.000		110	75	125	1.119	1.91	20	
Lead	1.061	0.0100	1.000		106	75	125	1.087	2.41	20	
Selenium	1.038	0.0200	1.000		104	75	125	1.058	1.88	20	
Silver	0.1058	0.0100	0.1000		106	75	125	0.1080	2.06	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **MB-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296690**

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	2.354	0	2.000		118	59.9	128				

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.798	0.50	2.000		89.9	60.4	120				
2-Methylnaphthalene	1.810	0.50	2.000		90.5	58.4	120				
Acenaphthene	1.731	0.50	2.000		86.6	64.7	120				
Acenaphthylene	1.699	1.0	2.000		85.0	63.2	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.928	0.050	2.000		96.4	69.3	125				
Benz(a)anthracene	2.059	0.050	2.000		103	71.1	141				
Benzo(a)pyrene	2.005	0.050	2.000		100	67.2	131				
Benzo(b)fluoranthene	1.866	0.10	2.000		93.3	66.1	134				
Benzo(g,h,i)perylene	1.911	0.10	2.000		95.5	66.1	128				
Benzo(k)fluoranthene	1.878	0.050	2.000		93.9	67.7	133				
Chrysene	2.007	0.050	2.000		100	71.3	137				
Dibenz(a,h)anthracene	1.941	0.10	2.000		97.0	59.7	125				
Fluoranthene	2.078	0.10	2.000		104	72.3	129				
Fluorene	1.839	0.10	2.000		91.9	69.2	120				
Indeno(1,2,3-cd)pyrene	1.963	0.050	2.000		98.2	66.4	127				
Naphthalene	1.682	0.50	2.000		84.1	56.8	120				
Phenanthrene	1.842	0.050	2.000		92.1	70.9	120				
Pyrene	2.045	0.050	2.000		102	68.4	138				
Surr: 4-Terphenyl-d14	2.480	0	2.000		124	59.9	128				

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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262547

Sample ID: **MB-262547** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285916**

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	45.50	0	50.00		91.0	68	127				

Sample ID: **LCS-262547** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285915**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	41.93	1.0	50.00		83.9	73.7	126				
Ethylbenzene	44.19	1.0	50.00		88.4	80.1	125				
m,p-Xylene	86.35	1.0	100.0		86.4	80.5	126				
o-Xylene	43.26	1.0	50.00		86.5	79.9	127				
Toluene	43.05	1.0	50.00		86.1	76.8	125				
Surr: 4-Bromofluorobenzene	45.44	0	50.00		90.9	68	127				

Sample ID: **1806C45-002AMS** Client ID: **GW-20S** Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285922**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	769.8	20	1000		77.0	66.1	137				
Ethylbenzene	797.8	20	1000		79.8	74	134				
m,p-Xylene	1563	20	2000		78.2	73.8	136				
o-Xylene	781.2	20	1000		78.1	71.6	135				
Toluene	789.8	20	1000		79.0	63.8	141				
Surr: 4-Bromofluorobenzene	898.6	0	1000		89.9	68	127				

Qualifiers:

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

Client: AECOM
Project Name GDOT - Walker Street
Workorder: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: 262547

Sample ID: **1806C45-002AMSD** Client ID: **GW-20S** Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/17/2018** Seq No: **8285923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	768.4	20	1000		76.8	66.1	137	769.8	0.182	20	
Ethylbenzene	812.4	20	1000		81.2	74	134	797.8	1.81	20	
m,p-Xylene	1578	20	2000		78.9	73.8	136	1563	0.955	20	
o-Xylene	790.6	20	1000		79.1	71.6	135	781.2	1.20	20	
Toluene	791.4	20	1000		79.1	63.8	141	789.8	0.202	20	
Surr: 4-Bromofluorobenzene	904.4	0	1000		90.4	68	127	898.6	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: R372723

Sample ID: **MB-R372723** Client ID: Units: **mg/L** Prep Date: Run No: **372723**
SampleType: **MBLK** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372723** Analysis Date: **06/13/2018** Seq No: **8275008**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	BRL	0.010									

Sample ID: **LCS-R372723** Client ID: Units: **mg/L** Prep Date: Run No: **372723**
SampleType: **LCS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372723** Analysis Date: **06/13/2018** Seq No: **8275009**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5120	0.010	0.5000		102	90	110				

Sample ID: **1806C45-001DMS** Client ID: **GW-20I** Units: **mg/L** Prep Date: Run No: **372723**
SampleType: **MS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372723** Analysis Date: **06/13/2018** Seq No: **8275030**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5000	0.010	0.5000		100	85	115				

Sample ID: **1806C45-001DMSD** Client ID: **GW-20I** Units: **mg/L** Prep Date: Run No: **372723**
SampleType: **MSD** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372723** Analysis Date: **06/13/2018** Seq No: **8275031**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5070	0.010	0.5000		101	85	115	0.5000	1.39	30	

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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: R372897

Sample ID: **MB-R372897** Client ID: Units: **mg/L** Prep Date: Run No: **372897**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R372897** Analysis Date: **06/13/2018** Seq No: **8280233**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									

Sample ID: **LCS-R372897** Client ID: Units: **mg/L** Prep Date: Run No: **372897**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R372897** Analysis Date: **06/13/2018** Seq No: **8280232**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	9.913	1.0	10.00		99.1	90	110				

Sample ID: **1806B93-001BMS** Client ID: Units: **mg/L** Prep Date: Run No: **372897**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R372897** Analysis Date: **06/13/2018** Seq No: **8280240**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.01	1.0	10.00	1.392	96.2	90	110				

Sample ID: **1806B94-001BMS** Client ID: Units: **mg/L** Prep Date: Run No: **372897**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R372897** Analysis Date: **06/13/2018** Seq No: **8280242**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.36	1.0	10.00	1.300	101	90	110				

Sample ID: **1806B93-001BMSD** Client ID: Units: **mg/L** Prep Date: Run No: **372897**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R372897** Analysis Date: **06/13/2018** Seq No: **8280241**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.23	1.0	10.00	1.392	98.4	90	110	11.01	1.99	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: 1806C45

ANALYTICAL QC SUMMARY REPORT

BatchID: R372918

Sample ID: **MB-R372918** Client ID: Units: **mg/L** Prep Date: Run No: **372918**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R372918** Analysis Date: **06/13/2018** Seq No: **8280831**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									

Sample ID: **LCS-R372918** Client ID: Units: **mg/L** Prep Date: Run No: **372918**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R372918** Analysis Date: **06/13/2018** Seq No: **8280830**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	9.696	1.0	10.00		97.0	90	110				

Sample ID: **1806B96-001BMS** Client ID: Units: **mg/L** Prep Date: Run No: **372918**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R372918** Analysis Date: **06/13/2018** Seq No: **8280837**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.23	1.0	10.00	1.268	99.6	90	110				

Sample ID: **1806B96-002BMS** Client ID: Units: **mg/L** Prep Date: Run No: **372918**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R372918** Analysis Date: **06/13/2018** Seq No: **8280839**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.16	1.0	10.00	1.297	98.7	90	110				

Sample ID: **1806B96-001BMSD** Client ID: Units: **mg/L** Prep Date: Run No: **372918**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R372918** Analysis Date: **06/13/2018** Seq No: **8280838**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	11.29	1.0	10.00	1.268	100	90	110	11.23	0.506	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		

AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 22, 2018

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1806E13

Analytical Environmental Services, Inc. received 7 samples on 6/14/2018 7:35:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

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: 1806E13

Date: 6/13/18 Page 1 of

COMPANY: AECOM

ADDRESS: 1340 Peachtree St. NE Suite 500 Atlanta Ga 30309

PHONE: 770-315-9696

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard / R.A. Jackson

SIGNATURE: [signature]

ANALYSIS REQUESTED: BTEX; 8270C-SIM; RCRA Metals; Hex. Chromium; Chloride

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 (PRESERVATION: HI)	8270C-SIM (PRESERVATION: I)	RCRA Metals (PRESERVATION: N)	Hex. Chromium (PRESERVATION: I)	Chloride (PRESERVATION: I)	REMARKS	Number of Containers
1	GW-31I	6/13/18	0942	X		GW	2	2	1	1	1		7
2	GW-32I	6/13/18	1012	X		GW	2	2	1	1	1		7
3	GW-29S	6/13/18	1045	X		GW	2	2	1	1	1		7
4	GW-43I	6/13/18	1223	X		GW	2	2	1	1	1		7
5	GW-43I MS	6/13/18	1223	X		GW	2	2	1	1	1		7
6	GW-43I MSD	6/13/18	1223	X		GW	2	2	1	1	1		7
7	GW-41S	6/13/18	1255	X		GW	2	2	1	1	1		7
8	GW-44I	6/13/18	1526	X		GW	2	2	1	1	1		7
9	GW-28I	6/13/18	1533	X		GW	2	2	1	1	1		7
10	Trip Blank	6/13/18	—	X		W	2						2
11													
12													
13													
14													

RELINQUISHED BY: DATE/TIME:
1. [signature] 6/13/18 16:45
2.
3.

RECEIVED BY: DATE/TIME:
1. FedEx 8541 0591 0859 / 8541 0591 0870 / 8541 0591 0860
2. Tampa Solutions 6/14/18 7:35
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: 213 Walker St. W. Douglas, Ga 31533
SEND REPORT TO: felix.ncheko@aecom.com
INVOICE TO: CC: ron.hilliard@aecom.com
(IF DIFFERENT FROM ABOVE)
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers: 65

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: 22-Jun-18

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1806E13

Case Narrative

Sample Receiving Non-conformance:

A trip blank was listed on the chain of custody but not present.

PAH Analysis by Method 8270D:

Due to sample matrix, sample 1806E13-003B, -006B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 22-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-31I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 9:42:00 AM
Lab ID:	1806E13-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	4.1	1.0		ug/L	262547	1	06/18/2018 01:07	JB
Toluene	2.0	1.0		ug/L	262547	1	06/18/2018 01:07	JB
Ethylbenzene	6.4	1.0		ug/L	262547	1	06/18/2018 01:07	JB
m,p-Xylene	2.2	1.0		ug/L	262547	1	06/18/2018 01:07	JB
o-Xylene	3.4	1.0		ug/L	262547	1	06/18/2018 01:07	JB
Surr: 4-Bromofluorobenzene	89.8	68-127		%REC	262547	1	06/18/2018 01:07	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	1300	100		ug/L	262385	1000	06/20/2018 22:21	YH
2-Methylnaphthalene	12	10		ug/L	262385	100	06/20/2018 19:22	YH
1-Methylnaphthalene	160	100		ug/L	262385	100	06/20/2018 19:22	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Acenaphthene	63	10		ug/L	262385	100	06/20/2018 19:22	YH
Fluorene	39	10		ug/L	262385	100	06/20/2018 19:22	YH
Phenanthrene	88	10		ug/L	262385	100	06/20/2018 19:22	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 19:09	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 19:09	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 19:09	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 19:09	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 19:09	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 19:09	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 19:09	YH
Surr: 4-Terphenyl-d14	134	59.9-128	S	%REC	262385	1	06/19/2018 19:09	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 01:15	AS
ION SCAN SW9056A								
Chloride	5.0	1.0		mg/L	R373140	1	06/15/2018 12:13	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:12	DG
Barium	0.0770	0.0200		mg/L	262566	1	06/19/2018 18:12	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:12	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-31I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 9:42:00 AM
Lab ID:	1806E13-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:12	DG
Lead	0.0496	0.0100		mg/L	262566	1	06/19/2018 18:12	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:12	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:12	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-32I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 10:12:00 AM
Lab ID:	1806E13-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 03:35	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 03:35	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 03:35	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 03:35	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 03:35	JB
Surr: 4-Bromofluorobenzene	90.2	68-127		%REC	262547	1	06/17/2018 03:35	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 19:35	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 19:35	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 19:35	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 19:35	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 19:35	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 19:35	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 19:35	YH
Surr: 4-Terphenyl-d14	130	59.9-128	S	%REC	262385	1	06/19/2018 19:35	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 19:16	AS
ION SCAN SW9056A								
Chloride	7.6	1.0		mg/L	R373140	1	06/15/2018 12:28	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:14	DG
Barium	0.0423	0.0200		mg/L	262566	1	06/19/2018 18:14	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:14	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-32I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 10:12:00 AM
Lab ID:	1806E13-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				**(SW3010A)**				
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:14	DG
Lead	BRL	0.0100		mg/L	262566	1	06/19/2018 18:14	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:14	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:14	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-29S
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 10:45:00 AM
Lab ID:	1806E13-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	25	1.0		ug/L	262547	1	06/18/2018 12:20	JB
Toluene	3.7	1.0		ug/L	262547	1	06/18/2018 12:20	JB
Ethylbenzene	15	1.0		ug/L	262547	1	06/18/2018 12:20	JB
m,p-Xylene	24	1.0		ug/L	262547	1	06/18/2018 12:20	JB
o-Xylene	16	1.0		ug/L	262547	1	06/18/2018 12:20	JB
Surr: 4-Bromofluorobenzene	88	68-127		%REC	262547	1	06/18/2018 12:20	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	100	06/20/2018 19:47	YH
1-Methylnaphthalene	120	10		ug/L	262385	100	06/20/2018 19:47	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Acenaphthene	130	10		ug/L	262385	100	06/20/2018 19:47	YH
Fluorene	49	10		ug/L	262385	100	06/20/2018 19:47	YH
Phenanthrene	52	10		ug/L	262385	100	06/20/2018 19:47	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Benz(a)anthracene	0.059	0.050		ug/L	262385	1	06/19/2018 20:01	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 20:01	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 20:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:01	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 20:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 20:01	YH
Surr: 4-Terphenyl-d14	79.9	59.9-128		%REC	262385	1	06/19/2018 20:01	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 01:31	AS
ION SCAN SW9056A								
Chloride	6.0	1.0		mg/L	R373140	1	06/15/2018 12:43	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:16	DG
Barium	0.0705	0.0200		mg/L	262566	1	06/19/2018 18:16	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:16	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-29S
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 10:45:00 AM
Lab ID:	1806E13-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:16	DG
Lead	0.0280	0.0100		mg/L	262566	1	06/19/2018 18:16	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:16	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:16	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-43I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 12:23:00 PM
Lab ID:	1806E13-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 03:59	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 03:59	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 03:59	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 03:59	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 03:59	JB
Surr: 4-Bromofluorobenzene	90.6	68-127		%REC	262547	1	06/17/2018 03:59	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	41	10		ug/L	262385	10	06/20/2018 17:32	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
1-Methylnaphthalene	11	10		ug/L	262385	10	06/20/2018 17:32	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Phenanthrene	17	10		ug/L	262385	10	06/20/2018 17:32	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 20:27	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 20:27	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 20:27	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:27	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:27	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 20:27	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 20:27	YH
Surr: 4-Terphenyl-d14	126	59.9-128		%REC	262385	1	06/19/2018 20:27	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 01:35	AS
ION SCAN SW9056A								
Chloride	5.3	1.0		mg/L	R373140	1	06/15/2018 12:58	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:19	DG
Barium	0.0718	0.0200		mg/L	262566	1	06/19/2018 18:19	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:19	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-43I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 12:23:00 PM
Lab ID:	1806E13-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				**(SW3010A)**				
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:19	DG
Lead	BRL	0.0100		mg/L	262566	1	06/19/2018 18:19	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:19	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:19	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-41S
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 12:55:00 PM
Lab ID:	1806E13-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 04:24	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 04:24	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 04:24	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 04:24	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 04:24	JB
Surr: 4-Bromofluorobenzene	92.1	68-127		%REC	262547	1	06/17/2018 04:24	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Fluorene	11	10		ug/L	262385	10	06/20/2018 18:00	YH
Phenanthrene	23	10		ug/L	262385	10	06/20/2018 18:00	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 20:52	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/19/2018 20:52	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 20:52	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:52	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 20:52	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 20:52	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 20:52	YH
Surr: 4-Terphenyl-d14	146	59.9-128	S	%REC	262385	1	06/19/2018 20:52	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 01:39	AS
ION SCAN SW9056A								
Chloride	7.6	1.0		mg/L	R373140	1	06/15/2018 13:13	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:21	DG
Barium	0.0725	0.0200		mg/L	262566	1	06/19/2018 18:21	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:21	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-41S
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 12:55:00 PM
Lab ID:	1806E13-005	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:21	DG
Lead	BRL	0.0100		mg/L	262566	1	06/19/2018 18:21	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:21	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:21	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-44I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 3:26:00 PM
Lab ID:	1806E13-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 04:48	JB
Toluene	3.0	1.0		ug/L	262547	1	06/17/2018 04:48	JB
Ethylbenzene	3.8	1.0		ug/L	262547	1	06/17/2018 04:48	JB
m,p-Xylene	11	1.0		ug/L	262547	1	06/17/2018 04:48	JB
o-Xylene	4.6	1.0		ug/L	262547	1	06/17/2018 04:48	JB
Surr: 4-Bromofluorobenzene	84	68-127		%REC	262547	1	06/17/2018 04:48	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	3300	100		ug/L	262385	1000	06/20/2018 21:55	YH
2-Methylnaphthalene	990	100		ug/L	262385	1000	06/20/2018 21:55	YH
1-Methylnaphthalene	570	10		ug/L	262385	100	06/20/2018 20:13	YH
Acenaphthylene	BRL	10		ug/L	262385	100	06/20/2018 20:13	YH
Acenaphthene	440	10		ug/L	262385	100	06/20/2018 20:13	YH
Fluorene	270	10		ug/L	262385	100	06/20/2018 20:13	YH
Phenanthrene	230	10		ug/L	262385	100	06/20/2018 20:13	YH
Anthracene	27	10		ug/L	262385	100	06/20/2018 20:13	YH
Fluoranthene	11	10		ug/L	262385	100	06/20/2018 20:13	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 21:18	YH
Benz(a)anthracene	0.14	0.050		ug/L	262385	1	06/19/2018 21:18	YH
Chrysene	0.13	0.050		ug/L	262385	1	06/19/2018 21:18	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 21:18	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 21:18	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 21:18	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 21:18	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 21:18	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 21:18	YH
Surr: 4-Terphenyl-d14	132	59.9-128	S	%REC	262385	1	06/19/2018 21:18	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 19:20	AS
ION SCAN SW9056A								
Chloride	3.5	1.0		mg/L	R373140	1	06/15/2018 13:28	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:27	DG
Barium	0.0569	0.0200		mg/L	262566	1	06/19/2018 18:27	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:27	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-44I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 3:26:00 PM
Lab ID:	1806E13-006	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:27	DG
Lead	0.0513	0.0100		mg/L	262566	1	06/19/2018 18:27	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:27	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:27	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-28I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 3:33:00 PM
Lab ID:	1806E13-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262547	1	06/17/2018 05:12	JB
Toluene	BRL	1.0		ug/L	262547	1	06/17/2018 05:12	JB
Ethylbenzene	BRL	1.0		ug/L	262547	1	06/17/2018 05:12	JB
m,p-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 05:12	JB
o-Xylene	BRL	1.0		ug/L	262547	1	06/17/2018 05:12	JB
Surr: 4-Bromofluorobenzene	90.9	68-127		%REC	262547	1	06/17/2018 05:12	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Benz(a)anthracene	0.32	0.050		ug/L	262385	1	06/19/2018 21:43	YH
Chrysene	0.34	0.050		ug/L	262385	1	06/19/2018 21:43	YH
Benzo(b)fluoranthene	0.32	0.10		ug/L	262385	1	06/19/2018 21:43	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Benzo(a)pyrene	0.24	0.050		ug/L	262385	1	06/19/2018 21:43	YH
Indeno(1,2,3-cd)pyrene	0.34	0.050		ug/L	262385	1	06/19/2018 21:43	YH
Dibenz(a,h)anthracene	0.36	0.10		ug/L	262385	1	06/19/2018 21:43	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 21:43	YH
Surr: 4-Terphenyl-d14	119	59.9-128		%REC	262385	1	06/19/2018 21:43	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262627	1	06/20/2018 01:47	AS
ION SCAN SW9056A								
Chloride	3.9	1.0		mg/L	R373140	1	06/15/2018 13:43	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/14/2018 09:15	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262566	1	06/19/2018 18:29	DG
Barium	0.0402	0.0200		mg/L	262566	1	06/19/2018 18:29	DG
Cadmium	BRL	0.0050		mg/L	262566	1	06/19/2018 18:29	DG

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-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-28I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/13/2018 3:33:00 PM
Lab ID:	1806E13-007	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262566	1	06/19/2018 18:29	DG
Lead	BRL	0.0100		mg/L	262566	1	06/19/2018 18:29	DG
Selenium	BRL	0.0200		mg/L	262566	1	06/19/2018 18:29	DG
Silver	BRL	0.0100		mg/L	262566	1	06/19/2018 18:29	DG

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: 1806E13

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 2.1 °C Cooler 2 Temperature 0.9 °C Cooler 3 Temperature 0.1 °C Cooler 4 Temperature _____ °C

14. Cooler 5 Temperature _____ °C Cooler 6 Temperature _____ °C Cooler 7 Temperature _____ °C Cooler 8 Temperature _____ °C

15. Comments: _____

I certify that I have completed sections 1-15 (dated initials). TD 6/14/18

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	○	●	○	samples received but not listed on COC ☐ samples listed on COC not received ■	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	○	●	○	listed on COC ■ not listed on COC ☐	

27. Comments: _____

I certify that I have completed sections 16-27 (dated initials). MDP 6/14/18

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	●	○	○		
29.	Containers meet preservation guidelines?	●	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MDP 6/14/18

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1806E13

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806E13-001A	GW-31I	6/13/2018 9:42:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/18/2018
1806E13-001B	GW-31I	6/13/2018 9:42:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-001B	GW-31I	6/13/2018 9:42:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/20/2018
1806E13-001C	GW-31I	6/13/2018 9:42:00AM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-001C	GW-31I	6/13/2018 9:42:00AM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-001D	GW-31I	6/13/2018 9:42:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-001E	GW-31I	6/13/2018 9:42:00AM	Groundwater	ION SCAN			06/15/2018
1806E13-002A	GW-32I	6/13/2018 10:12:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/17/2018
1806E13-002B	GW-32I	6/13/2018 10:12:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-002C	GW-32I	6/13/2018 10:12:00AM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-002C	GW-32I	6/13/2018 10:12:00AM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-002D	GW-32I	6/13/2018 10:12:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-002E	GW-32I	6/13/2018 10:12:00AM	Groundwater	ION SCAN			06/15/2018
1806E13-003A	GW-29S	6/13/2018 10:45:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/18/2018
1806E13-003B	GW-29S	6/13/2018 10:45:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-003B	GW-29S	6/13/2018 10:45:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/20/2018
1806E13-003C	GW-29S	6/13/2018 10:45:00AM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-003C	GW-29S	6/13/2018 10:45:00AM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-003D	GW-29S	6/13/2018 10:45:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-003E	GW-29S	6/13/2018 10:45:00AM	Groundwater	ION SCAN			06/15/2018
1806E13-004A	GW-43I	6/13/2018 12:23:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/17/2018
1806E13-004B	GW-43I	6/13/2018 12:23:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-004B	GW-43I	6/13/2018 12:23:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/20/2018
1806E13-004C	GW-43I	6/13/2018 12:23:00PM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-004C	GW-43I	6/13/2018 12:23:00PM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-004D	GW-43I	6/13/2018 12:23:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-004E	GW-43I	6/13/2018 12:23:00PM	Groundwater	ION SCAN			06/15/2018
1806E13-005A	GW-41S	6/13/2018 12:55:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/17/2018
1806E13-005B	GW-41S	6/13/2018 12:55:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1806E13

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806E13-005B	GW-41S	6/13/2018 12:55:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/20/2018
1806E13-005C	GW-41S	6/13/2018 12:55:00PM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-005C	GW-41S	6/13/2018 12:55:00PM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-005D	GW-41S	6/13/2018 12:55:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-005E	GW-41S	6/13/2018 12:55:00PM	Groundwater	ION SCAN			06/15/2018
1806E13-006A	GW-44I	6/13/2018 3:26:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/17/2018
1806E13-006B	GW-44I	6/13/2018 3:26:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-006B	GW-44I	6/13/2018 3:26:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/20/2018
1806E13-006C	GW-44I	6/13/2018 3:26:00PM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-006C	GW-44I	6/13/2018 3:26:00PM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-006D	GW-44I	6/13/2018 3:26:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-006E	GW-44I	6/13/2018 3:26:00PM	Groundwater	ION SCAN			06/15/2018
1806E13-007A	GW-28I	6/13/2018 3:33:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/16/2018 8:41:00 PM	06/17/2018
1806E13-007B	GW-28I	6/13/2018 3:33:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00 AM	06/19/2018
1806E13-007C	GW-28I	6/13/2018 3:33:00PM	Groundwater	TOTAL METALS BY ICP		6/18/2018 11:34:00 AM	06/19/2018
1806E13-007C	GW-28I	6/13/2018 3:33:00PM	Groundwater	TOTAL MERCURY		6/19/2018 7:55:00 PM	06/20/2018
1806E13-007D	GW-28I	6/13/2018 3:33:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/14/2018
1806E13-007E	GW-28I	6/13/2018 3:33:00PM	Groundwater	ION SCAN			06/15/2018

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **MB-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296690**

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	2.354	0	2.000		118	59.9	128				

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.798	0.50	2.000		89.9	60.4	120				
2-Methylnaphthalene	1.810	0.50	2.000		90.5	58.4	120				
Acenaphthene	1.731	0.50	2.000		86.6	64.7	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1.699	1.0	2.000		85.0	63.2	120				
Anthracene	1.928	0.050	2.000		96.4	69.3	125				
Benz(a)anthracene	2.059	0.050	2.000		103	71.1	141				
Benzo(a)pyrene	2.005	0.050	2.000		100	67.2	131				
Benzo(b)fluoranthene	1.866	0.10	2.000		93.3	66.1	134				
Benzo(g,h,i)perylene	1.911	0.10	2.000		95.5	66.1	128				
Benzo(k)fluoranthene	1.878	0.050	2.000		93.9	67.7	133				
Chrysene	2.007	0.050	2.000		100	71.3	137				
Dibenz(a,h)anthracene	1.941	0.10	2.000		97.0	59.7	125				
Fluoranthene	2.078	0.10	2.000		104	72.3	129				
Fluorene	1.839	0.10	2.000		91.9	69.2	120				
Indeno(1,2,3-cd)pyrene	1.963	0.050	2.000		98.2	66.4	127				
Naphthalene	1.682	0.50	2.000		84.1	56.8	120				
Phenanthrene	1.842	0.050	2.000		92.1	70.9	120				
Pyrene	2.045	0.050	2.000		102	68.4	138				
Surr: 4-Terphenyl-d14	2.480	0	2.000		124	59.9	128				

Sample ID: **1806E13-004BMS** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.645	0.50	2.000	0.6416	100	57.8	120				
Acenaphthene	6.251	0.50	2.000	4.315	96.8	61.4	120				
Acenaphthylene	2.002	1.0	2.000	0.1714	91.5	63.9	120				
Anthracene	2.282	0.050	2.000		114	65.3	120				
Benz(a)anthracene	2.121	0.050	2.000		106	76.7	124				
Benzo(a)pyrene	1.641	0.050	2.000		82.1	58.5	120				
Benzo(b)fluoranthene	1.670	0.10	2.000		83.5	52.6	121				

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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **1806E13-004BMS** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293924**

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	0.9846	0.10	2.000		49.2	44.2	120				
Benzo(k)fluoranthene	1.420	0.050	2.000		71.0	59	120				
Chrysene	1.827	0.050	2.000		91.3	65	122				
Dibenz(a,h)anthracene	1.009	0.10	2.000		50.4	38.2	120				
Fluoranthene	4.117	0.10	2.000	1.967	107	71.7	118				
Fluorene	8.341	0.10	2.000	6.190	108	65.6	120				
Indeno(1,2,3-cd)pyrene	1.217	0.050	2.000		60.9	46.6	120				
Pyrene	2.174	0.050	2.000	0.07429	105	69	121				
Surr: 4-Terphenyl-d14	2.333	0	2.000		117	59.9	128				

Sample ID: **1806E13-004BMS** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8297565**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	13.07	5.0	2.000	13.06	0.878	60.2	120				S
Naphthalene	44.57	5.0	2.000	43.03	77.3	57.3	120				
Phenanthrene	18.28	0.50	2.000	19.58	-65.1	65.6	120				S

Sample ID: **1806E13-004BMSD** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293925**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.842	0.50	2.000	0.6416	110	57.8	120	2.645	7.15	26.4	
Acenaphthene	6.847	0.50	2.000	4.315	127	61.4	120	6.251	9.09	24.4	S
Acenaphthylene	2.155	1.0	2.000	0.1714	99.2	63.9	120	2.002	7.37	27.9	
Anthracene	2.426	0.050	2.000		121	65.3	120	2.282	6.13	26.3	S
Benz(a)anthracene	2.180	0.050	2.000		109	76.7	124	2.121	2.71	25	
Benzo(a)pyrene	1.636	0.050	2.000		81.8	58.5	120	1.641	0.319	23.5	

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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: **262385**

Sample ID: **1806E13-004BMSD** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293925**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.770	0.10	2.000		88.5	52.6	121	1.670	5.81	24	
Benzo(g,h,i)perylene	1.063	0.10	2.000		53.2	44.2	120	0.9846	7.70	32.1	
Benzo(k)fluoranthene	1.444	0.050	2.000		72.2	59	120	1.420	1.62	19.6	
Chrysene	1.985	0.050	2.000		99.3	65	122	1.827	8.31	23	
Dibenz(a,h)anthracene	1.048	0.10	2.000		52.4	38.2	120	1.009	3.84	31.7	
Fluoranthene	4.524	0.10	2.000	1.967	128	71.7	118	4.117	9.41	23	S
Fluorene	9.232	0.10	2.000	6.190	152	65.6	120	8.341	10.2	25	S
Indeno(1,2,3-cd)pyrene	1.242	0.050	2.000		62.1	46.6	120	1.217	2.00	32.4	
Pyrene	2.320	0.050	2.000	0.07429	112	69	121	2.174	6.51	23.8	
Surr: 4-Terphenyl-d14	2.479	0	2.000		124	59.9	128	2.333	0	0	

Sample ID: **1806E13-004BMSD** Client ID: **GW-43I** Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8297566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	14.58	5.0	2.000	13.06	76.4	60.2	120	13.07	10.9	24.9	
Naphthalene	50.31	5.0	2.000	43.03	364	57.3	120	44.57	12.1	27.2	S
Phenanthrene	21.00	0.50	2.000	19.58	70.9	65.6	120	18.28	13.8	23.5	

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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262547

Sample ID: **MB-262547** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285916**

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	45.50	0	50.00		91.0	68	127				

Sample ID: **LCS-262547** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285915**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	41.93	1.0	50.00		83.9	73.7	126				
Ethylbenzene	44.19	1.0	50.00		88.4	80.1	125				
m,p-Xylene	86.35	1.0	100.0		86.4	80.5	126				
o-Xylene	43.26	1.0	50.00		86.5	79.9	127				
Toluene	43.05	1.0	50.00		86.1	76.8	125				
Surr: 4-Bromofluorobenzene	45.44	0	50.00		90.9	68	127				

Sample ID: **1806C45-002AMS** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/16/2018** Seq No: **8285922**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	769.8	20	1000		77.0	66.1	137				
Ethylbenzene	797.8	20	1000		79.8	74	134				
m,p-Xylene	1563	20	2000		78.2	73.8	136				
o-Xylene	781.2	20	1000		78.1	71.6	135				
Toluene	789.8	20	1000		79.0	63.8	141				
Surr: 4-Bromofluorobenzene	898.6	0	1000		89.9	68	127				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: **262547**

Sample ID: **1806C45-002AMSD** Client ID: Units: **ug/L** Prep Date: **06/16/2018** Run No: **373105**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262547** Analysis Date: **06/17/2018** Seq No: **8285923**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	768.4	20	1000		76.8	66.1	137	769.8	0.182	20	
Ethylbenzene	812.4	20	1000		81.2	74	134	797.8	1.81	20	
m,p-Xylene	1578	20	2000		78.9	73.8	136	1563	0.955	20	
o-Xylene	790.6	20	1000		79.1	71.6	135	781.2	1.20	20	
Toluene	791.4	20	1000		79.1	63.8	141	789.8	0.202	20	
Surr: 4-Bromofluorobenzene	904.4	0	1000		90.4	68	127	898.6	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262566

Sample ID: **MB-262566** Client ID: Units: **mg/L** Prep Date: **06/18/2018** Run No: **373367**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **262566** Analysis Date: **06/19/2018** Seq No: **8294075**

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-262566** Client ID: Units: **mg/L** Prep Date: **06/18/2018** Run No: **373367**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262566** Analysis Date: **06/19/2018** Seq No: **8294076**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.076	0.0500	1.000		108	80	120				
Barium	1.055	0.0200	1.000		105	80	120				
Cadmium	1.009	0.0050	1.000		101	80	120				
Chromium	1.081	0.0100	1.000		108	80	120				
Lead	0.9906	0.0100	1.000		99.1	80	120				
Selenium	1.026	0.0200	1.000		103	80	120				
Silver	0.1014	0.0100	0.1000		101	80	120				

Sample ID: **1806D92-001CMS** Client ID: Units: **mg/L** Prep Date: **06/18/2018** Run No: **373367**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262566** Analysis Date: **06/19/2018** Seq No: **8294080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.079	0.0500	1.000		108	75	125				
Barium	1.157	0.0200	1.000	0.1060	105	75	125				
Cadmium	1.013	0.0050	1.000	0.003890	101	75	125				
Chromium	1.082	0.0100	1.000	0.004460	108	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: **262566**

Sample ID: **1806D92-001CMS** Client ID: Units: **mg/L** Prep Date: **06/18/2018** Run No: **373367**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **262566** Analysis Date: **06/19/2018** Seq No: **8294080**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9903	0.0100	1.000		99.0	75	125				
Selenium	1.028	0.0200	1.000		103	75	125				
Silver	0.1015	0.0100	0.1000		102	75	125				

Sample ID: **1806D92-001CMSD** Client ID: Units: **mg/L** Prep Date: **06/18/2018** Run No: **373367**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **262566** Analysis Date: **06/19/2018** Seq No: **8294082**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.089	0.0500	1.000		109	75	125	1.079	0.925	20	
Barium	1.177	0.0200	1.000	0.1060	107	75	125	1.157	1.72	20	
Cadmium	1.028	0.0050	1.000	0.003890	102	75	125	1.013	1.45	20	
Chromium	1.095	0.0100	1.000	0.004460	109	75	125	1.082	1.27	20	
Lead	1.007	0.0100	1.000		101	75	125	0.9903	1.68	20	
Selenium	1.040	0.0200	1.000		104	75	125	1.028	1.17	20	
Silver	0.1034	0.0100	0.1000		103	75	125	0.1015	1.81	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: 262627

Sample ID: **MB-262627** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373402**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **262627** Analysis Date: **06/20/2018** Seq No: **8295417**

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-262627** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373402**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **262627** Analysis Date: **06/20/2018** Seq No: **8295418**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004404	0.00020	0.0040	0.0001116	107	80	120				

Sample ID: **1806D92-003CMS** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373402**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **262627** Analysis Date: **06/20/2018** Seq No: **8295419**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004652	0.00020	0.0040	0.0004500	105	75	125				

Sample ID: **1806D92-003CMSD** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373402**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **262627** Analysis Date: **06/20/2018** Seq No: **8295420**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004685	0.00020	0.0040	0.0004500	106	75	125	0.004652	0.698	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: R372834

Sample ID: **MB-R372834** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MBLK** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277804**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	BRL	0.010									

Sample ID: **LCS-R372834** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **LCS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277805**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5150	0.010	0.5000		103	90	110				

Sample ID: **1806E13-004DMS** Client ID: **GW-43I** Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277813**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.2010	0.010	0.5000		40.2	85	115				S

Sample ID: **1806E13-004DMSD** Client ID: **GW-43I** Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MSD** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277818**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.1970	0.010	0.5000		39.4	85	115	0.2010	2.01	30	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: 1806E13

ANALYTICAL QC SUMMARY REPORT

BatchID: R373140

Sample ID: **MB-R373140** Client ID: Units: **mg/L** Prep Date: Run No: **373140**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R373140** Analysis Date: **06/15/2018** Seq No: **8286630**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									

Sample ID: **LCS-R373140** Client ID: Units: **mg/L** Prep Date: Run No: **373140**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R373140** Analysis Date: **06/15/2018** Seq No: **8286629**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	9.710	1.0	10.00		97.1	90	110				

Sample ID: **1806E13-004EMS** Client ID: **GW-43I** Units: **mg/L** Prep Date: Run No: **373140**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R373140** Analysis Date: **06/15/2018** Seq No: **8286638**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	15.27	1.0	10.00	5.315	99.6	90	110				

Sample ID: **1806E13-004EMSD** Client ID: **GW-43I** Units: **mg/L** Prep Date: Run No: **373140**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R373140** Analysis Date: **06/15/2018** Seq No: **8286639**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	15.36	1.0	10.00	5.315	100	90	110	15.27	0.563	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		

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

June 26, 2018

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1806F59

Analytical Environmental Services, Inc. received 5 samples on 6/15/2018 7:36:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/17-06/30/18.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/17-06/30/18 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-NELAP/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/17-06/30/18.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

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: 1806F59

Date: 6/14/18 Page 1 of 1

COMPANY: AECOM

ADDRESS: 1500 Peachtree St. NE Suite 500 Atlanta Ga. 30309

PHONE: 404-965-9680

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: Ron Hilliard

SIGNATURE: [signature]

ANALYSIS REQUESTED: BTEX, RCRA Metals, Hex Chromium, Chloride

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 (PRESERVATION: H+I)	RCRA Metals (PRESERVATION: I)	Hex Chromium (PRESERVATION: N)	Chloride (PRESERVATION: I)	REMARKS	Number of Containers
1	GW-24I	6/14/18	0904	X		GW	2	2	1	1	1		7
2	GW-33I	6/14/18	1135	X		GW	2	2	1	1	1		7
3	GW-27I	6/14/18	1439	X		GW	2	2	1	1	1		7
4	DUP-1	6/14/18	—	X		GW	2	2	1	1	1		7
5	Trip Blank	6/14/18	—			W	2						2
6													
7													
8													
9													
10													
11													
12													
13													
14													

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. [signature]	6/15/18 0736	1. Jymi [signature]	6/15/18 7:36 am
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: 213 Walker Street W Douglas, Ga.
SEND REPORT TO: Felix.Nchello@aecom.com
INVOICE TO: cc: ron.hilliard@aecom.com
(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: 1806F59

Case Narrative

PAH Analysis by Method 8270D:

Due to sample matrix, sample 1806F59-001B, -003B required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc **Date:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-24I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 9:04:00 AM
Lab ID:	1806F59-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:03	JB
Toluene	BRL	1.0		ug/L	262699	1	06/20/2018 16:03	JB
Ethylbenzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:03	JB
m,p-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:03	JB
o-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:03	JB
Surr: 4-Bromofluorobenzene	91.3	68-127		%REC	262699	1	06/20/2018 16:03	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	290	10		ug/L	262385	100	06/20/2018 18:28	YH
2-Methylnaphthalene	91	10		ug/L	262385	100	06/20/2018 18:28	YH
1-Methylnaphthalene	90	10		ug/L	262385	100	06/20/2018 18:28	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 23:01	YH
Acenaphthene	100	10		ug/L	262385	100	06/20/2018 18:28	YH
Fluorene	79	10		ug/L	262385	100	06/20/2018 18:28	YH
Phenanthrene	150	10		ug/L	262385	100	06/20/2018 18:28	YH
Anthracene	21	10		ug/L	262385	100	06/20/2018 18:28	YH
Fluoranthene	22	10		ug/L	262385	100	06/20/2018 18:28	YH
Pyrene	13	10		ug/L	262385	100	06/20/2018 18:28	YH
Benz(a)anthracene	0.52	0.050		ug/L	262385	1	06/19/2018 23:01	YH
Chrysene	0.39	0.050		ug/L	262385	1	06/19/2018 23:01	YH
Benzo(b)fluoranthene	0.14	0.10		ug/L	262385	1	06/19/2018 23:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 23:01	YH
Benzo(a)pyrene	0.054	0.050		ug/L	262385	1	06/19/2018 23:01	YH
Indeno(1,2,3-cd)pyrene	0.081	0.050		ug/L	262385	1	06/19/2018 23:01	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 23:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 23:01	YH
Surr: 4-Terphenyl-d14	139	59.9-128	S	%REC	262385	1	06/19/2018 23:01	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262628	1	06/22/2018 12:10	AS
ION SCAN SW9056A								
Chloride	5.2	1.0		mg/L	R373449	1	06/18/2018 11:45	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/15/2018 08:45	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262622	1	06/22/2018 19:34	JR
Barium	0.0600	0.0200		mg/L	262622	1	06/21/2018 18:56	JR
Cadmium	BRL	0.0050		mg/L	262622	1	06/21/2018 18:56	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-24I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 9:04:00 AM
Lab ID:	1806F59-001	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262622	1	06/22/2018 19:34	JR
Lead	0.0132	0.0100		mg/L	262622	1	06/21/2018 18:56	JR
Selenium	BRL	0.0200		mg/L	262622	1	06/22/2018 19:34	JR
Silver	BRL	0.0100		mg/L	262622	1	06/21/2018 18:56	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-33I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 11:35:00 AM
Lab ID:	1806F59-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:27	JB
Toluene	BRL	1.0		ug/L	262699	1	06/20/2018 16:27	JB
Ethylbenzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:27	JB
m,p-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:27	JB
o-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:27	JB
Surr: 4-Bromofluorobenzene	92.6	68-127		%REC	262699	1	06/20/2018 16:27	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Fluorene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Anthracene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Pyrene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/19/2018 23:27	YH
Chrysene	0.070	0.050		ug/L	262385	1	06/19/2018 23:27	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 23:27	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 23:27	YH
Indeno(1,2,3-cd)pyrene	0.12	0.050		ug/L	262385	1	06/19/2018 23:27	YH
Dibenz(a,h)anthracene	0.13	0.10		ug/L	262385	1	06/19/2018 23:27	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 23:27	YH
Surr: 4-Terphenyl-d14	132	59.9-128	S	%REC	262385	1	06/19/2018 23:27	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262628	1	06/21/2018 18:40	AS
ION SCAN SW9056A								
Chloride	5.8	1.0		mg/L	R373449	1	06/18/2018 12:00	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/15/2018 08:45	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262622	1	06/22/2018 19:37	JR
Barium	0.0726	0.0200		mg/L	262622	1	06/21/2018 18:58	JR
Cadmium	BRL	0.0050		mg/L	262622	1	06/21/2018 18:58	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-33I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 11:35:00 AM
Lab ID:	1806F59-002	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				**(SW3010A)**				
Chromium	BRL	0.0100		mg/L	262622	1	06/22/2018 19:37	JR
Lead	BRL	0.0100		mg/L	262622	1	06/21/2018 18:58	JR
Selenium	BRL	0.0200		mg/L	262622	1	06/22/2018 19:37	JR
Silver	BRL	0.0100		mg/L	262622	1	06/21/2018 18:58	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-27I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 2:39:00 PM
Lab ID:	1806F59-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	4.6	1.0		ug/L	262699	1	06/23/2018 15:20	JB
Toluene	19	1.0		ug/L	262699	1	06/23/2018 15:20	JB
Ethylbenzene	11	1.0		ug/L	262699	1	06/23/2018 15:20	JB
m,p-Xylene	33	1.0		ug/L	262699	1	06/23/2018 15:20	JB
o-Xylene	13	1.0		ug/L	262699	1	06/23/2018 15:20	JB
Surr: 4-Bromofluorobenzene	90.7	68-127		%REC	262699	1	06/23/2018 15:20	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	3300	100		ug/L	262385	1000	06/20/2018 21:30	YH
2-Methylnaphthalene	540	10		ug/L	262385	100	06/20/2018 18:56	YH
1-Methylnaphthalene	330	10		ug/L	262385	100	06/20/2018 18:56	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/19/2018 23:52	YH
Acenaphthene	350	10		ug/L	262385	100	06/20/2018 18:56	YH
Fluorene	200	10		ug/L	262385	100	06/20/2018 18:56	YH
Phenanthrene	190	10		ug/L	262385	100	06/20/2018 18:56	YH
Anthracene	14	10		ug/L	262385	100	06/20/2018 18:56	YH
Fluoranthene	18	10		ug/L	262385	100	06/20/2018 18:56	YH
Pyrene	BRL	10		ug/L	262385	100	06/20/2018 18:56	YH
Benz(a)anthracene	0.39	0.050		ug/L	262385	1	06/19/2018 23:52	YH
Chrysene	0.31	0.050		ug/L	262385	1	06/19/2018 23:52	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/19/2018 23:52	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/19/2018 23:52	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 23:52	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/19/2018 23:52	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/19/2018 23:52	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/19/2018 23:52	YH
Surr: 4-Terphenyl-d14	125	59.9-128		%REC	262385	1	06/19/2018 23:52	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262628	1	06/22/2018 12:14	AS
ION SCAN SW9056A								
Chloride	5.8	1.0		mg/L	R373449	1	06/18/2018 12:15	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010		mg/L	R372834	1	06/15/2018 08:45	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262622	1	06/22/2018 19:39	JR
Barium	0.0924	0.0200		mg/L	262622	1	06/21/2018 19:01	JR
Cadmium	BRL	0.0050		mg/L	262622	1	06/21/2018 19:01	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	GW-27I
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018 2:39:00 PM
Lab ID:	1806F59-003	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D					**(SW3010A)**			
Chromium	BRL	0.0100		mg/L	262622	1	06/22/2018 19:39	JR
Lead	0.0162	0.0100		mg/L	262622	1	06/21/2018 19:01	JR
Selenium	BRL	0.0200		mg/L	262622	1	06/22/2018 19:39	JR
Silver	BRL	0.0100		mg/L	262622	1	06/21/2018 19:01	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	DUP-1
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018
Lab ID:	1806F59-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:52	JB
Toluene	BRL	1.0		ug/L	262699	1	06/20/2018 16:52	JB
Ethylbenzene	BRL	1.0		ug/L	262699	1	06/20/2018 16:52	JB
m,p-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:52	JB
o-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 16:52	JB
Surr: 4-Bromofluorobenzene	91.5	68-127		%REC	262699	1	06/20/2018 16:52	JB
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
2-Methylnaphthalene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
1-Methylnaphthalene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Acenaphthylene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Acenaphthene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Fluorene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Phenanthrene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Anthracene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Fluoranthene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Pyrene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Benz(a)anthracene	BRL	0.050		ug/L	262385	1	06/20/2018 00:19	YH
Chrysene	BRL	0.050		ug/L	262385	1	06/20/2018 00:19	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	262385	1	06/20/2018 00:19	YH
Benzo(k)fluoranthene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Benzo(a)pyrene	BRL	0.050		ug/L	262385	1	06/20/2018 00:19	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	262385	1	06/20/2018 00:19	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	262385	1	06/20/2018 00:19	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	262385	1	06/20/2018 00:19	YH
Surr: 4-Terphenyl-d14	134	59.9-128	S	%REC	262385	1	06/20/2018 00:19	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	262628	1	06/22/2018 12:17	AS
ION SCAN SW9056A								
Chloride	5.7	1.0		mg/L	R373449	1	06/18/2018 12:30	MP
Hexavalent Chromium by SM3500-Cr-B								
Chromium, Hexavalent	BRL	0.010	H	mg/L	R372834	1	06/15/2018 08:45	LM
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	262622	1	06/22/2018 19:41	JR
Barium	0.0745	0.0200		mg/L	262622	1	06/21/2018 19:03	JR
Cadmium	BRL	0.0050		mg/L	262622	1	06/21/2018 19:03	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	DUP-1
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018
Lab ID:	1806F59-004	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
METALS, TOTAL SW6010D				**(SW3010A)**				
Chromium	BRL	0.0100		mg/L	262622	1	06/22/2018 19:41	JR
Lead	BRL	0.0100		mg/L	262622	1	06/21/2018 19:03	JR
Selenium	BRL	0.0200		mg/L	262622	1	06/22/2018 19:41	JR
Silver	BRL	0.0100		mg/L	262622	1	06/21/2018 19:03	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:** 26-Jun-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK
Project Name:	GDOT - Walker Street	**Collection Date:**	6/14/2018
Lab ID:	1806F59-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	262699	1	06/20/2018 04:21	JB
Toluene	BRL	1.0		ug/L	262699	1	06/20/2018 04:21	JB
Ethylbenzene	BRL	1.0		ug/L	262699	1	06/20/2018 04:21	JB
m,p-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 04:21	JB
o-Xylene	BRL	1.0		ug/L	262699	1	06/20/2018 04:21	JB
Surr: 4-Bromofluorobenzene	91.1	68-127		%REC	262699	1	06/20/2018 04:21	JB

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: 26-Jun-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-24I				**Lab ID:** 1806F59-001			
Collection Date: 6/14/2018 9:04:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	290		0.72	10	ug/L	262385	100
2-Methylnaphthalene	91		0.57	10	ug/L	262385	100
1-Methylnaphthalene	90		0.60	10	ug/L	262385	100
Acenaphthene	100		1.7	10	ug/L	262385	100
Fluorene	79		1.9	10	ug/L	262385	100
Phenanthrene	150		2.2	10	ug/L	262385	100
Anthracene	21		2.6	10	ug/L	262385	100
Fluoranthene	22		1.6	10	ug/L	262385	100
Pyrene	13		1.5	10	ug/L	262385	100
Benz(a)anthracene	0.52		0.018	0.050	ug/L	262385	1
Chrysene	0.39		0.017	0.050	ug/L	262385	1
Benzo(b)fluoranthene	0.14		0.020	0.10	ug/L	262385	1
Benzo(a)pyrene	0.054		0.022	0.050	ug/L	262385	1
Indeno(1,2,3-cd)pyrene	0.081		0.012	0.050	ug/L	262385	1
ION SCAN SW9056A							
Chloride	5.2		0.17	1.0	mg/L	R373449	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0600		0.0027	0.0200	mg/L	262622	1
Lead	0.0132		0.0038	0.0100	mg/L	262622	1
Client Sample ID: GW-33I				**Lab ID:** 1806F59-002			
Collection Date: 6/14/2018 11:35:00 AM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Chrysene	0.070		0.017	0.050	ug/L	262385	1
Indeno(1,2,3-cd)pyrene	0.12		0.012	0.050	ug/L	262385	1
Dibenz(a,h)anthracene	0.13		0.0097	0.10	ug/L	262385	1
ION SCAN SW9056A							
Chloride	5.8		0.17	1.0	mg/L	R373449	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0726		0.0027	0.0200	mg/L	262622	1
Client Sample ID: GW-27I				**Lab ID:** 1806F59-003			
Collection Date: 6/14/2018 2:39:00 PM				**Matrix:** Groundwater			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	4.6		0.17	1.0	ug/L	262699	1
Toluene	19		0.15	1.0	ug/L	262699	1
Ethylbenzene	11		0.19	1.0	ug/L	262699	1
m,p-Xylene	33		0.31	1.0	ug/L	262699	1
o-Xylene	13		0.30	1.0	ug/L	262699	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	3300		7.2	100	ug/L	262385	1000
2-Methylnaphthalene	540		0.57	10	ug/L	262385	100
1-Methylnaphthalene	330		0.60	10	ug/L	262385	100
Acenaphthene	350		1.7	10	ug/L	262385	100
Fluorene	200		1.9	10	ug/L	262385	100
Phenanthrene	190		2.2	10	ug/L	262385	100

Analytical Environmental Services, Inc

Date: 26-Jun-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-27I				**Lab ID:** 1806F59-003			
Collection Date: 6/14/2018 2:39:00 PM				**Matrix:** Groundwater			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Anthracene	14		2.6	10	ug/L	262385	100
Fluoranthene	18		1.6	10	ug/L	262385	100
Benz(a)anthracene	0.39		0.018	0.050	ug/L	262385	1
Chrysene	0.31		0.017	0.050	ug/L	262385	1
ION SCAN SW9056A							
Chloride	5.8		0.17	1.0	mg/L	R373449	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0924		0.0027	0.0200	mg/L	262622	1
Lead	0.0162		0.0038	0.0100	mg/L	262622	1
Client Sample ID: DUP-1				**Lab ID:** 1806F59-004			
Collection Date: 6/14/2018				**Matrix:** Groundwater			
ION SCAN SW9056A							
Chloride	5.7		0.17	1.0	mg/L	R373449	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0745		0.0027	0.0200	mg/L	262622	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

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____ AES Work Order Number: _____

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 _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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). _____

		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). _____

		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?					

I certify that I have completed sections 28-30 (dated initials). _____

Analytical Environmental Services, Inc

Date: 26-Jun-18

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1806F59

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806F59-001A	GW-24I	6/14/2018 9:04:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/19/2018 1:55:00AM	06/20/2018
1806F59-001B	GW-24I	6/14/2018 9:04:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806F59-001B	GW-24I	6/14/2018 9:04:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/20/2018
1806F59-001C	GW-24I	6/14/2018 9:04:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/21/2018
1806F59-001C	GW-24I	6/14/2018 9:04:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/22/2018
1806F59-001C	GW-24I	6/14/2018 9:04:00AM	Groundwater	TOTAL MERCURY		6/21/2018 2:40:00PM	06/22/2018
1806F59-001D	GW-24I	6/14/2018 9:04:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/15/2018
1806F59-001E	GW-24I	6/14/2018 9:04:00AM	Groundwater	ION SCAN			06/18/2018
1806F59-002A	GW-33I	6/14/2018 11:35:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/19/2018 1:55:00AM	06/20/2018
1806F59-002B	GW-33I	6/14/2018 11:35:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806F59-002C	GW-33I	6/14/2018 11:35:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/21/2018
1806F59-002C	GW-33I	6/14/2018 11:35:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/22/2018
1806F59-002C	GW-33I	6/14/2018 11:35:00AM	Groundwater	TOTAL MERCURY		6/21/2018 2:40:00PM	06/21/2018
1806F59-002D	GW-33I	6/14/2018 11:35:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/15/2018
1806F59-002E	GW-33I	6/14/2018 11:35:00AM	Groundwater	ION SCAN			06/18/2018
1806F59-003A	GW-27I	6/14/2018 2:39:00PM	Groundwater	VOLATILE ORGANICS: BTEX		6/19/2018 1:55:00AM	06/23/2018
1806F59-003B	GW-27I	6/14/2018 2:39:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/19/2018
1806F59-003B	GW-27I	6/14/2018 2:39:00PM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/20/2018
1806F59-003C	GW-27I	6/14/2018 2:39:00PM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/21/2018
1806F59-003C	GW-27I	6/14/2018 2:39:00PM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/22/2018
1806F59-003C	GW-27I	6/14/2018 2:39:00PM	Groundwater	TOTAL MERCURY		6/21/2018 2:40:00PM	06/22/2018
1806F59-003D	GW-27I	6/14/2018 2:39:00PM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/15/2018
1806F59-003E	GW-27I	6/14/2018 2:39:00PM	Groundwater	ION SCAN			06/18/2018
1806F59-004A	DUP-1	6/14/2018 12:00:00AM	Groundwater	VOLATILE ORGANICS: BTEX		6/19/2018 1:55:00AM	06/20/2018
1806F59-004B	DUP-1	6/14/2018 12:00:00AM	Groundwater	Polynuclear Aromatic Hydrocarbons		6/15/2018 8:30:00AM	06/20/2018
1806F59-004C	DUP-1	6/14/2018 12:00:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/21/2018
1806F59-004C	DUP-1	6/14/2018 12:00:00AM	Groundwater	TOTAL METALS BY ICP		6/19/2018 2:07:00PM	06/22/2018
1806F59-004C	DUP-1	6/14/2018 12:00:00AM	Groundwater	TOTAL MERCURY		6/21/2018 2:40:00PM	06/22/2018
1806F59-004D	DUP-1	6/14/2018 12:00:00AM	Groundwater	Hexavalent Chromium by SM3500-Cr-B			06/15/2018

Client: AECOM
Project Name: GDOT - Walker Street
Lab Order: 1806F59

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
1806F59-004E	DUP-1	6/14/2018 12:00:00AM	Groundwater	ION SCAN			06/18/2018
1806F59-005A	TRIP BLANK	6/14/2018 12:00:00AM	Aqueous	VOLATILE ORGANICS: BTEX		6/19/2018 1:55:00AM	06/20/2018

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **MB-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296690**

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	2.354	0	2.000		118	59.9	128				

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.798	0.50	2.000		89.9	60.4	120				
2-Methylnaphthalene	1.810	0.50	2.000		90.5	58.4	120				
Acenaphthene	1.731	0.50	2.000		86.6	64.7	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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **LCS-262385** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8296773**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	1.699	1.0	2.000		85.0	63.2	120				
Anthracene	1.928	0.050	2.000		96.4	69.3	125				
Benz(a)anthracene	2.059	0.050	2.000		103	71.1	141				
Benzo(a)pyrene	2.005	0.050	2.000		100	67.2	131				
Benzo(b)fluoranthene	1.866	0.10	2.000		93.3	66.1	134				
Benzo(g,h,i)perylene	1.911	0.10	2.000		95.5	66.1	128				
Benzo(k)fluoranthene	1.878	0.050	2.000		93.9	67.7	133				
Chrysene	2.007	0.050	2.000		100	71.3	137				
Dibenz(a,h)anthracene	1.941	0.10	2.000		97.0	59.7	125				
Fluoranthene	2.078	0.10	2.000		104	72.3	129				
Fluorene	1.839	0.10	2.000		91.9	69.2	120				
Indeno(1,2,3-cd)pyrene	1.963	0.050	2.000		98.2	66.4	127				
Naphthalene	1.682	0.50	2.000		84.1	56.8	120				
Phenanthrene	1.842	0.050	2.000		92.1	70.9	120				
Pyrene	2.045	0.050	2.000		102	68.4	138				
Surr: 4-Terphenyl-d14	2.480	0	2.000		124	59.9	128				

Sample ID: **1806E13-004BMS** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293924**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.645	0.50	2.000	0.6416	100	57.8	120				
Acenaphthene	6.251	0.50	2.000	4.315	96.8	61.4	120				
Acenaphthylene	2.002	1.0	2.000	0.1714	91.5	63.9	120				
Anthracene	2.282	0.050	2.000		114	65.3	120				
Benz(a)anthracene	2.121	0.050	2.000		106	76.7	124				
Benzo(a)pyrene	1.641	0.050	2.000		82.1	58.5	120				
Benzo(b)fluoranthene	1.670	0.10	2.000		83.5	52.6	121				

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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: 262385

Sample ID: **1806E13-004BMS** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293924**

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	0.9846	0.10	2.000		49.2	44.2	120				
Benzo(k)fluoranthene	1.420	0.050	2.000		71.0	59	120				
Chrysene	1.827	0.050	2.000		91.3	65	122				
Dibenz(a,h)anthracene	1.009	0.10	2.000		50.4	38.2	120				
Fluoranthene	4.117	0.10	2.000	1.967	107	71.7	118				
Fluorene	8.341	0.10	2.000	6.190	108	65.6	120				
Indeno(1,2,3-cd)pyrene	1.217	0.050	2.000		60.9	46.6	120				
Pyrene	2.174	0.050	2.000	0.07429	105	69	121				
Surr: 4-Terphenyl-d14	2.333	0	2.000		117	59.9	128				

Sample ID: **1806E13-004BMS** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8297565**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	13.07	5.0	2.000	13.06	0.878	60.2	120				S
Naphthalene	44.57	5.0	2.000	43.03	77.3	57.3	120				
Phenanthrene	18.28	0.50	2.000	19.58	-65.1	65.6	120				S

Sample ID: **1806E13-004BMSD** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293925**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	2.842	0.50	2.000	0.6416	110	57.8	120	2.645	7.15	26.4	
Acenaphthene	6.847	0.50	2.000	4.315	127	61.4	120	6.251	9.09	24.4	S
Acenaphthylene	2.155	1.0	2.000	0.1714	99.2	63.9	120	2.002	7.37	27.9	
Anthracene	2.426	0.050	2.000		121	65.3	120	2.282	6.13	26.3	S
Benz(a)anthracene	2.180	0.050	2.000		109	76.7	124	2.121	2.71	25	
Benzo(a)pyrene	1.636	0.050	2.000		81.8	58.5	120	1.641	0.319	23.5	

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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: **262385**

Sample ID: **1806E13-004BMSD** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373301**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/19/2018** Seq No: **8293925**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.770	0.10	2.000		88.5	52.6	121	1.670	5.81	24	
Benzo(g,h,i)perylene	1.063	0.10	2.000		53.2	44.2	120	0.9846	7.70	32.1	
Benzo(k)fluoranthene	1.444	0.050	2.000		72.2	59	120	1.420	1.62	19.6	
Chrysene	1.985	0.050	2.000		99.3	65	122	1.827	8.31	23	
Dibenz(a,h)anthracene	1.048	0.10	2.000		52.4	38.2	120	1.009	3.84	31.7	
Fluoranthene	4.524	0.10	2.000	1.967	128	71.7	118	4.117	9.41	23	S
Fluorene	9.232	0.10	2.000	6.190	152	65.6	120	8.341	10.2	25	S
Indeno(1,2,3-cd)pyrene	1.242	0.050	2.000		62.1	46.6	120	1.217	2.00	32.4	
Pyrene	2.320	0.050	2.000	0.07429	112	69	121	2.174	6.51	23.8	
Surr: 4-Terphenyl-d14	2.479	0	2.000		124	59.9	128	2.333	0	0	

Sample ID: **1806E13-004BMSD** Client ID: Units: **ug/L** Prep Date: **06/15/2018** Run No: **373423**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **262385** Analysis Date: **06/20/2018** Seq No: **8297566**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	14.58	5.0	2.000	13.06	76.4	60.2	120	13.07	10.9	24.9	
Naphthalene	50.31	5.0	2.000	43.03	364	57.3	120	44.57	12.1	27.2	S
Phenanthrene	21.00	0.50	2.000	19.58	70.9	65.6	120	18.28	13.8	23.5	

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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: 262622

Sample ID: **MB-262622** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373568**
SampleType: **MBLK** TestCode: **METALS, TOTAL SW6010D** BatchID: **262622** Analysis Date: **06/21/2018** Seq No: **8300534**

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-262622** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373568**
SampleType: **LCS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262622** Analysis Date: **06/21/2018** Seq No: **8300535**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9844	0.0500	1.000		98.4	80	120				
Barium	1.012	0.0200	1.000		101	80	120				
Cadmium	1.018	0.0050	1.000		102	80	120				
Chromium	0.9896	0.0100	1.000		99.0	80	120				
Lead	1.003	0.0100	1.000		100	80	120				
Selenium	0.9754	0.0200	1.000		97.5	80	120				
Silver	0.1007	0.0100	0.1000		101	80	120				

Sample ID: **1806E56-002AMS** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373568**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **262622** Analysis Date: **06/21/2018** Seq No: **8300537**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	0.9570	0.0500	1.000		95.7	75	125				
Barium	1.024	0.0200	1.000	0.05472	96.9	75	125				
Cadmium	0.9941	0.0050	1.000	0.004470	99.0	75	125				
Chromium	0.9586	0.0100	1.000		95.9	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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: **262622**

Sample ID: **1806E56-002AMS** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373568**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **262622** Analysis Date: **06/21/2018** Seq No: **8300537**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	0.9814	0.0100	1.000	0.009170	97.2	75	125				
Selenium	0.9484	0.0200	1.000		94.8	75	125				
Silver	0.09749	0.0100	0.1000		97.5	75	125				

Sample ID: **1806E56-002AMSD** Client ID: Units: **mg/L** Prep Date: **06/19/2018** Run No: **373568**
SampleType: **MSD** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **262622** Analysis Date: **06/21/2018** Seq No: **8300538**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.013	0.0500	1.000		101	75	125	0.9570	5.71	20	
Barium	1.086	0.0200	1.000	0.05472	103	75	125	1.024	5.91	20	
Cadmium	1.054	0.0050	1.000	0.004470	105	75	125	0.9941	5.82	20	
Chromium	1.017	0.0100	1.000		102	75	125	0.9586	5.96	20	
Lead	1.042	0.0100	1.000	0.009170	103	75	125	0.9814	6.03	20	
Selenium	1.001	0.0200	1.000		100	75	125	0.9484	5.44	20	
Silver	0.1035	0.0100	0.1000		103	75	125	0.09749	5.97	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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: **262628**

Sample ID: **MB-262628** Client ID: Units: **mg/L** Prep Date: **06/21/2018** Run No: **373635**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **262628** Analysis Date: **06/21/2018** Seq No: **8301960**

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-262628** Client ID: Units: **mg/L** Prep Date: **06/21/2018** Run No: **373635**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **262628** Analysis Date: **06/21/2018** Seq No: **8301961**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005508	0.00020	0.0050		110	80	120				

Sample ID: **1806F59-002CMS** Client ID: **GW-33I** Units: **mg/L** Prep Date: **06/21/2018** Run No: **373635**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **262628** Analysis Date: **06/21/2018** Seq No: **8301964**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005324	0.00020	0.0050		106	75	125				

Sample ID: **1806F59-002CMSD** Client ID: **GW-33I** Units: **mg/L** Prep Date: **06/21/2018** Run No: **373635**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **262628** Analysis Date: **06/21/2018** Seq No: **8301966**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005154	0.00020	0.0050		103	75	125	0.005324	3.25	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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: 262699

Sample ID: **MB-262699** Client ID: Units: **ug/L** Prep Date: **06/19/2018** Run No: **373363**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262699** Analysis Date: **06/20/2018** Seq No: **8294150**

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	45.60	0	50.00		91.2	68	127				

Sample ID: **LCS-262699** Client ID: Units: **ug/L** Prep Date: **06/19/2018** Run No: **373363**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262699** Analysis Date: **06/20/2018** Seq No: **8294149**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	41.49	1.0	50.00		83.0	73.7	126				
Ethylbenzene	42.83	1.0	50.00		85.7	80.1	125				
m,p-Xylene	83.90	1.0	100.0		83.9	80.5	126				
o-Xylene	41.84	1.0	50.00		83.7	79.9	127				
Toluene	42.22	1.0	50.00		84.4	76.8	125				
Surr: 4-Bromofluorobenzene	44.99	0	50.00		90.0	68	127				

Sample ID: **1806D41-001AMS** Client ID: Units: **ug/L** Prep Date: **06/19/2018** Run No: **373363**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262699** Analysis Date: **06/20/2018** Seq No: **8295337**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	21100	500	25000	670.0	81.7	66.1	137				
Ethylbenzene	22160	500	25000	955.0	84.8	74	134				
m,p-Xylene	45450	500	50000	4290	82.3	73.8	136				
o-Xylene	23250	500	25000	2570	82.7	71.6	135				
Toluene	26520	500	25000	5755	83.1	63.8	141				
Surr: 4-Bromofluorobenzene	22800	0	25000		91.2	68	127				

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: **262699**

Sample ID: **1806D41-001AMSD** Client ID: Units: **ug/L** Prep Date: **06/19/2018** Run No: **373363**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **262699** Analysis Date: **06/20/2018** Seq No: **8295339**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	20880	500	25000	670.0	80.8	66.1	137	21100	1.05	20	
Ethylbenzene	22030	500	25000	955.0	84.3	74	134	22160	0.588	20	
m,p-Xylene	44890	500	50000	4290	81.2	73.8	136	45450	1.23	20	
o-Xylene	22880	500	25000	2570	81.2	71.6	135	23250	1.58	20	
Toluene	26080	500	25000	5755	81.3	63.8	141	26520	1.67	20	
Surr: 4-Bromofluorobenzene	22650	0	25000		90.6	68	127	22800	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: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: R372834

Sample ID: **MB-R372834** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MBLK** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277804**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	BRL	0.010									

Sample ID: **LCS-R372834** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **LCS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277805**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.5150	0.010	0.5000		103	90	110				

Sample ID: **1806E13-004DMS** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MS** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277813**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.2010	0.010	0.5000		40.2	85	115				S

Sample ID: **1806E13-004DMSD** Client ID: Units: **mg/L** Prep Date: Run No: **372834**
SampleType: **MSD** TestCode: **Hexavalent Chromium by SM3500-Cr-B** BatchID: **R372834** Analysis Date: **06/14/2018** Seq No: **8277818**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chromium, Hexavalent	0.1970	0.010	0.5000		39.4	85	115	0.2010	2.01	30	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		

Analytical Environmental Services, Inc

Date: 26-Jun-18

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1806F59

ANALYTICAL QC SUMMARY REPORT

BatchID: R373449

Sample ID: **MB-R373449** Client ID: Units: **mg/L** Prep Date: Run No: **373449**
SampleType: **MBLK** TestCode: **ION SCAN SW9056A** BatchID: **R373449** Analysis Date: **06/18/2018** Seq No: **8296844**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	BRL	1.0									

Sample ID: **LCS-R373449** Client ID: Units: **mg/L** Prep Date: Run No: **373449**
SampleType: **LCS** TestCode: **ION SCAN SW9056A** BatchID: **R373449** Analysis Date: **06/18/2018** Seq No: **8296843**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	9.803	1.0	10.00		98.0	90	110				

Sample ID: **1806F59-004EMS** Client ID: **DUP-1** Units: **mg/L** Prep Date: Run No: **373449**
SampleType: **MS** TestCode: **ION SCAN SW9056A** BatchID: **R373449** Analysis Date: **06/18/2018** Seq No: **8296849**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	15.94	1.0	10.00	5.709	102	90	110				

Sample ID: **1806F59-004EMSD** Client ID: **DUP-1** Units: **mg/L** Prep Date: Run No: **373449**
SampleType: **MSD** TestCode: **ION SCAN SW9056A** BatchID: **R373449** Analysis Date: **06/18/2018** Seq No: **8296850**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chloride	16.02	1.0	10.00	5.709	103	90	110	15.94	0.529	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		

September 2018 Laboratory Analytical Reports
1809C90
1809C98

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

AES

September 24, 2018

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1809C90

Analytical Environmental Services, Inc. received 9 samples on 9/14/2018 5:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

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

CHAIN OF CUSTODY

Work Order: 1809C90

Date: 9/14/18 Page 1 of 1

COMPANY: AECOM

ADDRESS: 1360 Peachtree St NE Suite 500 Atlanta Ga 30309

PHONE: 678-808-8979

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270-SIM

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

#	SAMPLE ID	SAMPLED: DATE	SAMPLED: TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION (see codes)	REMARKS	Number of Containers
1	SW-9	9/14/18	~~1040~~ 0940	X		SW	2		2
2	SW-8	9/14/18	~~1040~~ 0940	X		SW	2		2
3	SW-6	9/14/18	0955	X		SW	2		2
4	SW-5	9/14/18	1155	X		SW	2		2
5	SW-7	9/14/18	1205	X		SW	2		2
6	SW-2	9/14/18	1210	X		SW	2		2
7	SW-4	9/14/18	1215	X		SW	2		2
8	SW-3	9/14/18	1224	X		SW	2		2
9	SW-1	9/14/18	1229	X		SW	2		2
10									
11									
12									
13									
14									

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1. Justine McLaren	9/14/18 1700	1. MHWANG	9/14/18 17:00
2.		2.	
3.		3.	

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT-Walker Street
PROJECT #: 60440866
SITE ADDRESS: Walker St. W. Douglas Ga
SEND REPORT TO: Felix.Nehako@aecom.com
cc: ron.hilliard@aecom.com
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

White Copy - Original; Yellow Copy - Client

Analytical Environmental Services, Inc **Date:** 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-9
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 9:40:00 AM
Lab ID:	1809C90-001	**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	267232	1	09/19/2018 17:26	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 17:26	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 17:26	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 17:26	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 17:26	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 17:26	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 17:26	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 17:26	RF
Surr: 4-Terphenyl-d14	79.3	59.9-128		%REC	267232	1	09/19/2018 17:26	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-8
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 9:44:00 AM
Lab ID:	1809C90-002	**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	267232	1	09/19/2018 18:35	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 18:35	RF
Chrysene	0.069	0.050		ug/L	267232	1	09/19/2018 18:35	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 18:35	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 18:35	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 18:35	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 18:35	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 18:35	RF
Surr: 4-Terphenyl-d14	101	59.9-128		%REC	267232	1	09/19/2018 18:35	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-6
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 9:55:00 AM
Lab ID:	1809C90-003	**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	267232	1	09/19/2018 18:59	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Benz(a)anthracene	0.15	0.050		ug/L	267232	1	09/19/2018 18:59	RF
Chrysene	0.32	0.050		ug/L	267232	1	09/19/2018 18:59	RF
Benzo(b)fluoranthene	0.45	0.10		ug/L	267232	1	09/19/2018 18:59	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Benzo(a)pyrene	0.23	0.050		ug/L	267232	1	09/19/2018 18:59	RF
Indeno(1,2,3-cd)pyrene	0.23	0.050		ug/L	267232	1	09/19/2018 18:59	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 18:59	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 18:59	RF
Surr: 4-Terphenyl-d14	105	59.9-128		%REC	267232	1	09/19/2018 18:59	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 11:55:00 AM
Lab ID:	1809C90-004	**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	267232	1	09/19/2018 19:22	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 19:22	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 19:22	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 19:22	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 19:22	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 19:22	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 19:22	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 19:22	RF
Surr: 4-Terphenyl-d14	99	59.9-128		%REC	267232	1	09/19/2018 19:22	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-7
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 12:05:00 PM
Lab ID:	1809C90-005	**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	267232	1	09/19/2018 19:46	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 19:46	RF
Chrysene	0.054	0.050		ug/L	267232	1	09/19/2018 19:46	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 19:46	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 19:46	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 19:46	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 19:46	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 19:46	RF
Surr: 4-Terphenyl-d14	101	59.9-128		%REC	267232	1	09/19/2018 19:46	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 12:10:00 PM
Lab ID:	1809C90-006	**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	267232	1	09/19/2018 20:09	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 20:09	RF
Chrysene	0.083	0.050		ug/L	267232	1	09/19/2018 20:09	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 20:09	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:09	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:09	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 20:09	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 20:09	RF
Surr: 4-Terphenyl-d14	86.2	59.9-128		%REC	267232	1	09/19/2018 20:09	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 12:15:00 PM
Lab ID:	1809C90-007	**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	267232	1	09/19/2018 20:32	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 20:32	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 20:32	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 20:32	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:32	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:32	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 20:32	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 20:32	RF
Surr: 4-Terphenyl-d14	85.1	59.9-128		%REC	267232	1	09/19/2018 20:32	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: 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 12:24:00 PM
Lab ID:	1809C90-008	**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	267232	1	09/19/2018 20:55	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 20:55	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 20:55	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 20:55	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:55	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 20:55	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 20:55	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 20:55	RF
Surr: 4-Terphenyl-d14	89.9	59.9-128		%REC	267232	1	09/19/2018 20:55	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:** 24-Sep-18

Client:	AECOM	**Client Sample ID:**	SW-1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 12:29:00 PM
Lab ID:	1809C90-009	**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	267232	1	09/19/2018 21:18	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 21:18	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 21:18	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 21:18	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 21:18	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 21:18	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 21:18	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 21:18	RF
Surr: 4-Terphenyl-d14	110	59.9-128		%REC	267232	1	09/19/2018 21:18	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: 24-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: SW-8				**Lab ID:**	1809C90-002		
Collection Date: 9/14/2018 9:44:00 AM				**Matrix:**	Surface Water		
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**			
Chrysene	0.069		0.017	0.050	ug/L	267232	1
Client Sample ID: SW-6				**Lab ID:**	1809C90-003		
Collection Date: 9/14/2018 9:55:00 AM				**Matrix:**	Surface Water		
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**			
Benz(a)anthracene	0.15		0.018	0.050	ug/L	267232	1
Chrysene	0.32		0.017	0.050	ug/L	267232	1
Benzo(b)fluoranthene	0.45		0.020	0.10	ug/L	267232	1
Benzo(a)pyrene	0.23		0.022	0.050	ug/L	267232	1
Indeno(1,2,3-cd)pyrene	0.23		0.012	0.050	ug/L	267232	1
Client Sample ID: SW-7				**Lab ID:**	1809C90-005		
Collection Date: 9/14/2018 12:05:00 PM				**Matrix:**	Surface Water		
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**			
Chrysene	0.054		0.017	0.050	ug/L	267232	1
Client Sample ID: SW-2				**Lab ID:**	1809C90-006		
Collection Date: 9/14/2018 12:10:00 PM				**Matrix:**	Surface Water		
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**			
Chrysene	0.083		0.017	0.050	ug/L	267232	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

AES ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: _____ AES Work Order Number: _____

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 _____ °C Cooler 2 Temperature _____ °C Cooler 3 Temperature _____ °C Cooler 4 Temperature _____ °C

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). _____

		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). _____

		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?					

I certify that I have completed sections 28-30 (dated initials). _____

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C90

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **MB-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477655**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 4-Terphenyl-d14	1.842	0	2.000		92.1	59.9	128				

Sample ID: **LCS-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477740**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000		86.1	60.4	120				
2-Methylnaphthalene	BRL	10	2.000		84.6	58.4	120				
Acenaphthene	BRL	10	2.000	0.08051	79.9	64.7	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: 1809C90

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **LCS-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477740**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	BRL	10	2.000		79.1	63.2	120				
Anthracene	BRL	10	2.000		85.9	69.3	125				
Benz(a)anthracene	1.892	0.050	2.000		94.6	71.1	141				
Benzo(a)pyrene	1.832	0.050	2.000		91.6	67.2	131				
Benzo(b)fluoranthene	1.770	0.10	2.000		88.5	66.1	134				
Benzo(g,h,i)perylene	BRL	10	2.000		86.8	66.1	128				
Benzo(k)fluoranthene	BRL	10	2.000		90.9	67.7	133				
Chrysene	1.747	0.050	2.000		87.3	71.3	137				
Dibenz(a,h)anthracene	1.771	0.10	2.000		88.5	59.7	125				
Fluoranthene	BRL	10	2.000	0.01646	93.2	72.3	129				
Fluorene	BRL	10	2.000	0.02956	87.9	69.2	120				
Indeno(1,2,3-cd)pyrene	1.782	0.050	2.000		89.1	66.4	127				
Naphthalene	BRL	10	2.000	0.03289	92.2	56.8	120				
Phenanthrene	BRL	10	2.000	0.1946	79.4	70.9	120				
Pyrene	BRL	10	2.000		88.6	68.4	138				
Surr: 4-Terphenyl-d14	2.012	0	2.000		101	59.9	128				

Sample ID: **1809C90-001AMS** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478173**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000	0.06085	77.1	60.2	120				
2-Methylnaphthalene	BRL	10	2.000	0.01462	77.1	57.8	120				
Acenaphthene	BRL	10	2.000	0.1921	75.0	61.4	120				
Acenaphthylene	BRL	10	2.000		81.4	63.9	120				
Anthracene	BRL	10	2.000		85.3	65.3	120				
Benz(a)anthracene	1.713	0.050	2.000		85.7	76.7	124				
Benzo(a)pyrene	1.366	0.050	2.000		68.3	58.5	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: 1809C90

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **1809C90-001AMS** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478173**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.373	0.10	2.000	0.03305	67.0	52.6	121				
Benzo(g,h,i)perylene	BRL	10	2.000	0.01964	64.8	44.2	120				
Benzo(k)fluoranthene	BRL	10	2.000		64.8	59	120				
Chrysene	1.460	0.050	2.000	0.03201	71.4	65	122				
Dibenz(a,h)anthracene	1.329	0.10	2.000		66.4	38.2	120				
Fluoranthene	BRL	10	2.000	0.09911	88.1	71.7	118				
Fluorene	BRL	10	2.000	0.08736	82.0	65.6	120				
Indeno(1,2,3-cd)pyrene	1.340	0.050	2.000	0.01677	66.1	46.6	120				
Naphthalene	BRL	10	2.000	0.1866	69.7	57.3	120				
Phenanthrene	BRL	10	2.000	0.07483	84.4	65.6	120				
Pyrene	BRL	10	2.000	0.05357	83.1	69	121				
Surr: 4-Terphenyl-d14	3.070	0	4.000		76.7	59.9	128				

Sample ID: **1809C90-001AMSD** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000	0.06085	81.1	60.2	120	1.604	0	24.9	
2-Methylnaphthalene	BRL	10	2.000	0.01462	81.3	57.8	120	1.557	0	26.4	
Acenaphthene	BRL	10	2.000	0.1921	78.8	61.4	120	1.692	0	24.4	
Acenaphthylene	BRL	10	2.000		84.6	63.9	120	1.628	0	27.9	
Anthracene	BRL	10	2.000		86.3	65.3	120	1.707	0	26.3	
Benz(a)anthracene	1.713	0.050	2.000		85.7	76.7	124	1.713	0.026	25	
Benzo(a)pyrene	1.350	0.050	2.000		67.5	58.5	120	1.366	1.19	23.5	
Benzo(b)fluoranthene	1.347	0.10	2.000	0.03305	65.7	52.6	121	1.373	1.94	24	
Benzo(g,h,i)perylene	BRL	10	2.000	0.01964	63.7	44.2	120	1.315	0	32.1	
Benzo(k)fluoranthene	BRL	10	2.000		65.0	59	120	1.297	0	19.6	
Chrysene	1.476	0.050	2.000	0.03201	72.2	65	122	1.460	1.09	23	

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: 1809C90

ANALYTICAL QC SUMMARY REPORT

BatchID: **267232**

Sample ID: **1809C90-001AMSD** Client ID: **SW-9** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478174**

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	1.323	0.10	2.000		66.2	38.2	120	1.329	0.411	31.7	
Fluoranthene	BRL	10	2.000	0.09911	87.7	71.7	118	1.861	0	23	
Fluorene	BRL	10	2.000	0.08736	84.1	65.6	120	1.728	0	25	
Indeno(1,2,3-cd)pyrene	1.320	0.050	2.000	0.01677	65.2	46.6	120	1.340	1.48	32.4	
Naphthalene	BRL	10	2.000	0.1866	74.4	57.3	120	1.580	0	27.2	
Phenanthrene	BRL	10	2.000	0.07483	82.7	65.6	120	1.763	0	23.5	
Pyrene	BRL	10	2.000	0.05357	83.6	69	121	1.715	0	23.8	
Surr: 4-Terphenyl-d14	1.748	0	2.000		87.4	59.9	128	3.070	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 26, 2018

Felix Nchako
AECOM

1360 Peachtree Street NE Suite 500
Atlanta GA 30309

RE: GDOT - Walker Street

Dear Felix Nchako: Order No: 1809C98

Analytical Environmental Services, Inc. received 63 samples on 9/14/2018 5:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.
AES's accreditations are as follows:
-NELAP/State of Florida Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, Air & Emissions Volatile Organics, and Drinking Water Microbiology & Metals, effective 07/01/18-06/30/19.
State of Georgia, Department of Natural Resources ID #800 for analysis of Drinking Water Metals, effective 07/01/18-06/30/19 and Total Coliforms/ E. coli, effective 04/25/17-04/24/20.
-AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 11/01/19.
These results relate only to the items tested. This report may only be reproduced in full.

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

Sincerely,

Ioana Pacurar

Ioana Pacurar

Project Manager

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

CHAIN OF CUSTODY

Work Order: 1809C93 ~~1809C96~~ pm 9/14/18

Date: 9/10/18 Page 1 of 5

COMPANY: AECOM

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

PHONE: 678-808-8979

EMAIL: ~~felix~~ Ron.Hilliard@aecom.com

SAMPLED BY: R. Hilliard / J. McCann / J. Van Tassel

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270-SIM; BTEX; 8-PCBs (total); 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)	8270-SIM (I)	BTEX (HI)	8-PCBs (N)	8260 (HI)	REMARKS	Number of Containers
1	GW-45	9/10/18	1320	X			2	2				4
2	GW-23I	9/10/18	1532	X			2	2				4
3	GW-23S	9/10/18	1655	X			2	~~2~~	RN		RN 2	~~4~~
4	GW-17I	9/11/18	0955	X			2					2
5	PZ-3	9/11/18	1005	X			2	2				4
6	GW-31S	9/11/18	1040	X			2	2				4
7	GW-18I	9/11/18	1131	X			2					2
8	GW-24S	9/11/18	1220	X			2	2				4
9	GW-6D	9/11/18	1255	X			2					2
10	GW-33I	9/11/18	1430	X			2	2	1			5
11	GW-25S	9/11/18	1519	X			2					2
12	PZ-1	9/11/18	1520	X			2	2				4
13	GW-6I	9/11/18	1540	X			2	2				4
14	GW-32I	9/11/18	1707	X			2	2	1			5

PRESERVATION (see codes): I, HI, N, HI

RELINQUISHED BY: 1. Justine McCann 9/14/18 1700 DATE/TIME:

RECEIVED BY: 1. M. HWANG DATE/TIME: 9/14/18 17:00

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT-Walker St.
PROJECT #: 60440866
SITE ADDRESS: Walker St, W. Douglas, GA
SEND REPORT TO: felix.nchako@aecom.com
INVOICE TO (IF DIFFERENT FROM ABOVE): cc: ron.hilliard@aecom.com
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

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: 1809C98

Date: 9/11/18 Page 2 of 5

COMPANY: AECOM

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

PHONE: 678-808-8979

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard / J. McCann / J. VanTassel

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270-SIM; BTEX; 8-RCRA (total); 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)	I	HI	N	HI	REMARKS	Number of Containers
1	GW-16I	9/11/18	1719	X			2					2
2	DUP-1	9/11/18	—	X			2					2
3	DUP-2	9/11/18	—	X			2	2	1			5
4	GW-27I	9/12/18	0839	X			2	2	1			5
5	GW-26I	9/12/18	0921	X			2					2
6	GW-30S	9/12/18	0935	X			2	2				4
7	GW-12D	9/12/18	1039	X			2					2
8	GW-14S	9/12/18	1110	X			2	2				4
9	GW-14I	9/12/18	1307	X			2	2				4
10	GW-12I	9/12/18	1317	X			2	2				4
11	GW-15I	9/12/18	1405	X			2	2				4
12	GW-46S	9/12/18	1518	X			2	2				4
13	GW-15S	9/12/18	1630	X			2	2				4
14	GW-3I	9/12/18	1730	X			2	2				4

RELINQUISHED BY: DATE/TIME:
1. Justine McCann 9/14/18 1700
2.
3.

RECEIVED BY: DATE/TIME:
1. M HWANG 9/14/18 17:00
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT Walker St.
PROJECT #: 60440866
SITE ADDRESS: Walker St. W. Douglas, Ga.
SEND REPORT TO: felix.nchako@aecom.com
cc: ron.hilliard@aecom.com
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

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

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

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: 1809C98

Date: 9/12/18 Page 3 of 5

COMPANY: AECOM

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

PHONE: 678-808-8979

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard / J. McLann / J. VanTassel

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270-SIM; BTEX; 8-RCRA (Total); 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)	8270-SIM (PRESERVATION: I)	BTEX (PRESERVATION: HI)	8-RCRA (Total) (PRESERVATION: N)	8260 (PRESERVATION: HI)	REMARKS	Number of Containers
1	GW-42I	9/12/18	1736	X			2	2	1			5
2	GW-30I	9/12/18	1820	X			2	2	1			5
3	GW-28D	9/12/18	2123	X			2	2				4
4	GW-28D MS	9/12/18	2123	X			2	2				4
5	GW-28D MSD	9/12/18	2123	X			2	2				4
6	DUP-3	9/12/18	—	X			2	2				4
7	GW-18S	9/13/18	1006	X			2					
8	DUP-4	9/13/18	—	X			2					
9	PZ-2	9/13/18	10:25	X			2	2				
10	GW-01I	9/13/18	10:42	X				2				
11	GW-01I-MS	9/13/18	1042	X				2				
12	GW-01I-MSD	9/13/18	1042	X				2				
13	GW-29I	9/13/18	1140	X			2	2				
14	GW-20I	9/13/18	1255	X			2	2	1			

RELINQUISHED BY: DATE/TIME:
1. Justine McLann 9/14/18 1700
2.
3.

RECEIVED BY: DATE/TIME:
1. M HWANG 9/14/18 1700
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT-Walker St.
PROJECT #: 60440866
SITE ADDRESS: Walker St. W. Douglas, GA
SEND REPORT TO: felix.nchako@aecom.com
cc: ron.hilliard@aecom.com
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

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: 1809G93

Date: 9/14/18 Page 4 of 5

COMPANY: AECOM

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

PHONE: 678-808-8979

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard / J. McCann / J. Van Tassel

SIGNATURE: R Hilliard

ANALYSIS REQUESTED: SPLP-STM; BTEX; 8-PCBA (Total); 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)	I	II	N	III	REMARKS	Number of Containers
1	GW-41S	9/13/18	1432	X			2	2	1			
2	GW-6S	9/13/18	1511	X			2	2				
3	GW-20S	9/13/18	1525	X			2	2	1			
4	PZ-4	9/13/18	1608	X			2	2				
5	GW-43I	9/13/18	1630	X			2	2	1			
6	GW-11I	9/13/18	1753	X			2	2				
7	GW-31I	9/13/18	1800	X			2	2				
8	GW-31I-MS	9/13/18	1800	X			2	2				
9	GW-31I-MSD	9/13/18	1800	X			2	2				
10	GW-11S	9/13/18	1830	X			2					
11	GW-24I	9/13/18	1844	X			2	2	1			
12	DUP-5	9/13/18	—	X			2	2				
13	GW-29S	9/14/18	0712	X			2	2	1			
14	GW-47S	9/14/18	0820	X			2	2				

RELINQUISHED BY: DATE/TIME:
1. Justine McCann 9/14/18 1700
2.
3.

RECEIVED BY: DATE/TIME:
1. M HUANG 9/14/18 1700
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

PROJECT INFORMATION
PROJECT NAME: GDOT-Walker Street
PROJECT #: 60440846
SITE ADDRESS: Walker St. Rd. Douglas, Ga
SEND REPORT TO: Felix.Ndaka@aecom.com cc: ron.hilliard@aecom.com
INVOICE TO (IF DIFFERENT FROM ABOVE):
QUOTE #: _____ PO#: _____

RECEIPT
Total # of Containers

Turnaround Time (TAT) Request
- [x] Standard
- [ ] 2 Business Day Rush
- [ ] Next Business Day Rush
- [ ] Same-Day Rush (auth req.)
- [ ] Other _____

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

White Copy - Original; Yellow Copy - Client

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

CHAIN OF CUSTODY

Work Order: 1809C98

Date: 9/14/18 Page 5 of 5

COMPANY: AECOM

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

PHONE: 678-808-8979

EMAIL: ron.hilliard@aecom.com

SAMPLED BY: R. Hilliard / J. McCann / J. Van Tassel

SIGNATURE: [signature]

ANALYSIS REQUESTED: 8270 - SIM; BTEX; 8-RCRA (Total); 8260

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

#	SAMPLE ID	SAMPLED DATE	SAMPLED TIME	GRAB	COMPOSITE	MATRIX (see codes)	PRESERVATION I	PRESERVATION HI	PRESERVATION N	PRESERVATION HI	REMARKS	Number of Containers
1	GW-12S	9/14/18	0854	X			2	2				
2	GW-13S	9/14/18	0908	X			2					
3	GW-44I	9/14/18	10:45	X			2	2	1			
4	GW-28I	9/14/18	1047	X			2	2	1			
5	GW-27S	9/14/18	1136	X			2	2				
6												
7												
8												
9												
10												
11												
12												
13												
14												

RELINQUISHED BY: DATE/TIME:
1. Justine McCann 9/14/18 1700
2.
3.

RECEIVED BY: DATE/TIME:
1. M HWANG 9/14/18 17:00
2.
3.

SPECIAL INSTRUCTIONS/COMMENTS:

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

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

RECEIPT
Total # of Containers

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

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

Submission of samples to the laboratory constitutes acceptance of AES's Terms & Conditions. Client assumes sole responsibility for damage or loss of samples before we accept them. Samples received after 3PM or on Saturday are considered as received the following business day. If no TAT is marked on COC, AES will proceed with standard TAT. Samples are disposed of 30 days after completion of report unless other arrangements are made.

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

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

7.11.18_CO

White Copy - Original; Yellow Copy - Client

Client: AECOM
Project: GDOT - Walker Street
Lab ID: 1809C98

Case Narrative

Analysis Adjustment:

At the request of John-Paul Vigil with AECOM via e-mail on 9/20/18, sample GW-01I was adjusted from BTEX to a Full TCL 8260 list of analysis.

PAH Analysis by Method 8270D SIM:

Percent recovery for the surrogate spiking compound 4-terphenyl-d14 on samples LCS-267229, 1809B28-001BMS, 1809B28-001BMSD, 1809C98-002B, 1809C98-004A and 1809C98-015A was outside control limits biased high.

Percent recovery for the surrogate spiking compound 4-terphenyl-d14 on samples LCS-267230, 1809C98-018B, 1809C98-020B and 1809C98-022B was outside control limits biased high.

Analytical Environmental Services, Inc **Date:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-45
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018 1:20:00 PM
Lab ID:	1809C98-001	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 12:38	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 12:38	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 12:38	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 12:38	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 12:38	NP
Surr: 4-Bromofluorobenzene	87.6	68-127		%REC	267450	1	09/20/2018 12:38	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 17:33	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 17:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 17:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 17:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 17:33	YH
Surr: 4-Terphenyl-d14	117	59.9-128		%REC	267229	1	09/18/2018 17:33	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-23I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018 3:32:00 PM
Lab ID:	1809C98-002	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 13:07	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 13:07	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 13:07	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 13:07	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 13:07	NP
Surr: 4-Bromofluorobenzene	87.9	68-127		%REC	267450	1	09/20/2018 13:07	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 17:58	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 17:58	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 17:58	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:58	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:58	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 17:58	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 17:58	YH
Surr: 4-Terphenyl-d14	129	59.9-128	S	%REC	267229	1	09/18/2018 17:58	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-23S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018 4:55:00 PM
Lab ID:	1809C98-003	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 18:24	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 18:24	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 18:24	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:24	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:24	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 18:24	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 18:24	YH
Surr: 4-Terphenyl-d14	110	59.9-128		%REC	267229	1	09/18/2018 18:24	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-17I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 9:55:00 AM
Lab ID:	1809C98-004	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 18:50	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 18:50	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 18:50	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:50	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:50	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 18:50	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 18:50	YH
Surr: 4-Terphenyl-d14	184	59.9-128	S	%REC	267229	1	09/18/2018 18:50	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	PZ-3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 10:05:00 AM
Lab ID:	1809C98-005	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 16:36	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 16:36	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 16:36	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 16:36	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 16:36	NP
Surr: 4-Bromofluorobenzene	89.1	68-127		%REC	267450	1	09/20/2018 16:36	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 19:17	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 19:17	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 19:17	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:17	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:17	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 19:17	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 19:17	YH
Surr: 4-Terphenyl-d14	98.8	59.9-128		%REC	267229	1	09/18/2018 19:17	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-31S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 10:40:00 AM
Lab ID:	1809C98-006	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 17:06	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 17:06	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 17:06	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 17:06	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 17:06	NP
Surr: 4-Bromofluorobenzene	90.6	68-127		%REC	267450	1	09/20/2018 17:06	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 17:48	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 17:48	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 17:48	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:48	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 17:48	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 17:48	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 17:48	YH
Surr: 4-Terphenyl-d14	127	59.9-128		%REC	267229	1	09/18/2018 17:48	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-18I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 11:31:00 AM
Lab ID:	1809C98-007	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Fluorene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Anthracene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Pyrene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/21/2018 17:08	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/21/2018 17:08	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/21/2018 17:08	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/21/2018 17:08	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/21/2018 17:08	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/21/2018 17:08	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/21/2018 17:08	YH
Surr: 4-Terphenyl-d14	120	59.9-128		%REC	267229	1	09/21/2018 17:08	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-24S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 12:20:00 PM
Lab ID:	1809C98-008	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 17:36	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 17:36	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 17:36	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 17:36	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 17:36	NP
Surr: 4-Bromofluorobenzene	87	68-127		%REC	267450	1	09/20/2018 17:36	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 18:40	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 18:40	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 18:40	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:40	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 18:40	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 18:40	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 18:40	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267229	1	09/18/2018 18:40	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-6D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 12:55:00 PM
Lab ID:	1809C98-009	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Benz(a)anthracene	0.096	0.050		ug/L	267229	1	09/18/2018 19:07	YH
Chrysene	0.086	0.050		ug/L	267229	1	09/18/2018 19:07	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 19:07	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Benzo(a)pyrene	0.089	0.050		ug/L	267229	1	09/18/2018 19:07	YH
Indeno(1,2,3-cd)pyrene	0.094	0.050		ug/L	267229	1	09/18/2018 19:07	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 19:07	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 19:07	YH
Surr: 4-Terphenyl-d14	126	59.9-128		%REC	267229	1	09/18/2018 19:07	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-33I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 2:30:00 PM
Lab ID:	1809C98-010	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 18:07	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 18:07	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 18:07	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 18:07	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 18:07	NP
Surr: 4-Bromofluorobenzene	89.3	68-127		%REC	267450	1	09/20/2018 18:07	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 19:33	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 19:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 19:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 19:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 19:33	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267229	1	09/18/2018 19:33	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 15:10	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:03	DG
Barium	0.0594	0.0200		mg/L	267341	1	09/19/2018 20:03	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:03	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/24/2018 12:31	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:03	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:03	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:03	DG

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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-25S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 3:19:00 PM
Lab ID:	1809C98-011	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 19:59	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 19:59	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 19:59	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:59	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 19:59	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 19:59	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 19:59	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267229	1	09/18/2018 19:59	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	PZ-1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 3:20:00 PM
Lab ID:	1809C98-012	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 18:37	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 18:37	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 18:37	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 18:37	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 18:37	NP
Surr: 4-Bromofluorobenzene	91.3	68-127		%REC	267450	1	09/20/2018 18:37	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 20:25	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 20:25	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 20:25	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 20:25	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 20:25	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 20:25	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 20:25	YH
Surr: 4-Terphenyl-d14	33.1	59.9-128	S	%REC	267229	1	09/18/2018 20:25	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-6I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 3:40:00 PM
Lab ID:	1809C98-013	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 19:07	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 19:07	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 19:07	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 19:07	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 19:07	NP
Surr: 4-Bromofluorobenzene	89.1	68-127		%REC	267450	1	09/20/2018 19:07	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Fluorene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Anthracene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Pyrene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/21/2018 18:03	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/21/2018 18:03	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/21/2018 18:03	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/21/2018 18:03	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/21/2018 18:03	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/21/2018 18:03	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/21/2018 18:03	YH
Surr: 4-Terphenyl-d14	119	59.9-128		%REC	267229	1	09/21/2018 18:03	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-32I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 5:07:00 PM
Lab ID:	1809C98-014	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 19:36	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 19:36	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 19:36	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 19:36	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 19:36	NP
Surr: 4-Bromofluorobenzene	88.5	68-127		%REC	267450	1	09/20/2018 19:36	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	54	10		ug/L	267229	100	09/21/2018 11:16	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	100	09/21/2018 11:16	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 21:17	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 21:17	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 21:17	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 21:17	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 21:17	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 21:17	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 21:17	YH
Surr: 4-Terphenyl-d14	128	59.9-128		%REC	267229	1	09/18/2018 21:17	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 16:36	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:24	DG
Barium	0.0390	0.0200		mg/L	267341	1	09/19/2018 20:24	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:24	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:24	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:24	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:24	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:24	DG

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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-16I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018 5:19:00 PM
Lab ID:	1809C98-015	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 21:44	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 21:44	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 21:44	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 21:44	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 21:44	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 21:44	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 21:44	YH
Surr: 4-Terphenyl-d14	135	59.9-128	S	%REC	267229	1	09/18/2018 21:44	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	DUP-1
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018
Lab ID:	1809C98-016	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 22:11	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 22:11	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 22:11	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 22:11	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 22:11	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 22:11	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 22:11	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267229	1	09/18/2018 22:11	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	DUP-2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/11/2018
Lab ID:	1809C98-017	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 20:05	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 20:05	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 20:05	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 20:05	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 20:05	NP
Surr: 4-Bromofluorobenzene	89.5	68-127		%REC	267450	1	09/20/2018 20:05	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	46	10		ug/L	267229	100	09/21/2018 11:45	YH
2-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
1-Methylnaphthalene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Acenaphthylene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Acenaphthene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Fluorene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Phenanthrene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Anthracene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Pyrene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Benz(a)anthracene	BRL	0.050		ug/L	267229	1	09/18/2018 22:37	YH
Chrysene	BRL	0.050		ug/L	267229	1	09/18/2018 22:37	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267229	1	09/18/2018 22:37	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 22:37	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267229	1	09/18/2018 22:37	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267229	1	09/18/2018 22:37	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267229	1	09/18/2018 22:37	YH
Surr: 4-Terphenyl-d14	122	59.9-128		%REC	267229	1	09/18/2018 22:37	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 16:46	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:26	DG
Barium	0.0408	0.0200		mg/L	267341	1	09/19/2018 20:26	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:26	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:26	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:26	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:26	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:26	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-27I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 8:39:00 AM
Lab ID:	1809C98-018	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 20:35	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 20:35	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 20:35	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 20:35	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 20:35	NP
Surr: 4-Bromofluorobenzene	88	68-127		%REC	267450	1	09/20/2018 20:35	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	76	10		ug/L	267230	100	09/21/2018 12:11	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	100	09/21/2018 12:11	YH
1-Methylnaphthalene	18	10		ug/L	267230	100	09/21/2018 12:11	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Acenaphthene	51	10		ug/L	267230	100	09/21/2018 12:11	YH
Fluorene	26	10		ug/L	267230	100	09/21/2018 12:11	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Anthracene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Pyrene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Benz(a)anthracene	0.81	0.050		ug/L	267230	1	09/18/2018 23:04	YH
Chrysene	0.91	0.050		ug/L	267230	1	09/18/2018 23:04	YH
Benzo(b)fluoranthene	0.62	0.10		ug/L	267230	1	09/18/2018 23:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Benzo(a)pyrene	0.74	0.050		ug/L	267230	1	09/18/2018 23:04	YH
Indeno(1,2,3-cd)pyrene	0.80	0.050		ug/L	267230	1	09/18/2018 23:04	YH
Dibenz(a,h)anthracene	1.0	0.10		ug/L	267230	1	09/18/2018 23:04	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/18/2018 23:04	YH
Surr: 4-Terphenyl-d14	136	59.9-128	S	%REC	267230	1	09/18/2018 23:04	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 16:50	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:28	DG
Barium	0.0251	0.0200		mg/L	267341	1	09/19/2018 20:28	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:28	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:28	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:28	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:28	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:28	DG

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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-26I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 9:21:00 AM
Lab ID:	1809C98-019	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Fluorene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Anthracene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Pyrene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/18/2018 23:30	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/18/2018 23:30	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/18/2018 23:30	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 23:30	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 23:30	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/18/2018 23:30	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/18/2018 23:30	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267230	1	09/18/2018 23:30	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-30S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 9:35:00 AM
Lab ID:	1809C98-020	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 21:04	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 21:04	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 21:04	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 21:04	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 21:04	NP
Surr: 4-Bromofluorobenzene	87.6	68-127		%REC	267450	1	09/20/2018 21:04	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Fluorene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Anthracene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Pyrene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/18/2018 23:56	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/18/2018 23:56	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/18/2018 23:56	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 23:56	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 23:56	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/18/2018 23:56	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/18/2018 23:56	YH
Surr: 4-Terphenyl-d14	132	59.9-128	S	%REC	267230	1	09/18/2018 23:56	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-12D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 10:39:00 AM
Lab ID:	1809C98-021	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 18:13	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 18:13	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 18:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 18:13	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 18:13	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 18:13	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 18:13	YH
Surr: 4-Terphenyl-d14	110	59.9-128		%REC	267230	1	09/20/2018 18:13	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-14S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 11:10:00 AM
Lab ID:	1809C98-022	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 05:18	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 05:18	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 05:18	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 05:18	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 05:18	NP
Surr: 4-Bromofluorobenzene	85.9	68-127		%REC	267450	1	09/21/2018 05:18	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 18:41	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 18:41	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 18:41	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 18:41	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 18:41	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 18:41	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 18:41	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267230	1	09/20/2018 18:41	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-14I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 1:07:00 PM
Lab ID:	1809C98-023	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 05:48	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 05:48	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 05:48	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 05:48	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 05:48	NP
Surr: 4-Bromofluorobenzene	84.3	68-127		%REC	267450	1	09/21/2018 05:48	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 19:07	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 19:07	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 19:07	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 19:07	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 19:07	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 19:07	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 19:07	YH
Surr: 4-Terphenyl-d14	106	59.9-128		%REC	267230	1	09/20/2018 19:07	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-12I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 1:17:00 PM
Lab ID:	1809C98-024	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 06:17	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 06:17	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 06:17	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 06:17	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 06:17	NP
Surr: 4-Bromofluorobenzene	86.9	68-127		%REC	267450	1	09/21/2018 06:17	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 19:33	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 19:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 19:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 19:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 19:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 19:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 19:33	YH
Surr: 4-Terphenyl-d14	109	59.9-128		%REC	267230	1	09/20/2018 19:33	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-15I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 2:05:00 PM
Lab ID:	1809C98-025	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 06:46	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 06:46	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 06:46	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 06:46	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 06:46	NP
Surr: 4-Bromofluorobenzene	85.1	68-127		%REC	267450	1	09/21/2018 06:46	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 20:01	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 20:01	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 20:01	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 20:01	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 20:01	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 20:01	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 20:01	YH
Surr: 4-Terphenyl-d14	112	59.9-128		%REC	267230	1	09/20/2018 20:01	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-46S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 3:18:00 PM
Lab ID:	1809C98-026	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 07:15	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 07:15	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 07:15	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 07:15	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 07:15	NP
Surr: 4-Bromofluorobenzene	84.4	68-127		%REC	267450	1	09/21/2018 07:15	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Fluorene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Anthracene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Pyrene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/20/2018 20:28	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/20/2018 20:28	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/20/2018 20:28	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 20:28	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/20/2018 20:28	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/20/2018 20:28	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/20/2018 20:28	YH
Surr: 4-Terphenyl-d14	110	59.9-128		%REC	267230	1	09/20/2018 20:28	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-15S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 4:30:00 PM
Lab ID:	1809C98-027	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 07:44	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 07:44	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 07:44	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 07:44	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 07:44	NP
Surr: 4-Bromofluorobenzene	84.5	68-127		%REC	267450	1	09/21/2018 07:44	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 15:13	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 15:13	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 15:13	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 15:13	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 15:13	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 15:13	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 15:13	YH
Surr: 4-Terphenyl-d14	120	59.9-128		%REC	267230	1	09/19/2018 15:13	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-3I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 5:30:00 PM
Lab ID:	1809C98-028	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/21/2018 08:41	NP
Toluene	BRL	1.0		ug/L	267450	1	09/21/2018 08:41	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/21/2018 08:41	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 08:41	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/21/2018 08:41	NP
Surr: 4-Bromofluorobenzene	126	68-127		%REC	267450	1	09/21/2018 08:41	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 16:05	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 16:05	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 16:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 16:05	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 16:05	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 16:05	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 16:05	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267230	1	09/19/2018 16:05	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-42I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 5:36:00 PM
Lab ID:	1809C98-029	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 02:50	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 02:50	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 02:50	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 02:50	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 02:50	OM
Surr: 4-Bromofluorobenzene	96.2	68-127		%REC	267545	1	09/21/2018 02:50	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 16:33	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 16:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 16:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 16:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 16:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 16:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 16:33	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267230	1	09/19/2018 16:33	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 16:53	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:31	DG
Barium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:31	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:31	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:31	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:31	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:31	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:31	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-30I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 6:20:00 PM
Lab ID:	1809C98-030	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 03:14	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 03:14	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 03:14	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 03:14	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 03:14	OM
Surr: 4-Bromofluorobenzene	91.3	68-127		%REC	267545	1	09/21/2018 03:14	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 17:00	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 17:00	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 17:00	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:00	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:00	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 17:00	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 17:00	YH
Surr: 4-Terphenyl-d14	119	59.9-128		%REC	267230	1	09/19/2018 17:00	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 16:56	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:33	DG
Barium	0.0375	0.0200		mg/L	267341	1	09/19/2018 20:33	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:33	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:33	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:33	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:33	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:33	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-28D
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018 9:23:00 PM
Lab ID:	1809C98-031	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267450	1	09/20/2018 11:10	NP
Toluene	BRL	1.0		ug/L	267450	1	09/20/2018 11:10	NP
Ethylbenzene	BRL	1.0		ug/L	267450	1	09/20/2018 11:10	NP
m,p-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 11:10	NP
o-Xylene	BRL	1.0		ug/L	267450	1	09/20/2018 11:10	NP
Surr: 4-Bromofluorobenzene	88.9	68-127		%REC	267450	1	09/20/2018 11:10	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Fluorene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Anthracene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Pyrene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/18/2018 20:10	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/18/2018 20:10	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/18/2018 20:10	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 20:10	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/18/2018 20:10	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/18/2018 20:10	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/18/2018 20:10	YH
Surr: 4-Terphenyl-d14	109	59.9-128		%REC	267230	1	09/18/2018 20:10	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	DUP-3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/12/2018
Lab ID:	1809C98-032	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 03:38	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 03:38	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 03:38	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 03:38	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 03:38	OM
Surr: 4-Bromofluorobenzene	90.2	68-127		%REC	267545	1	09/21/2018 03:38	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 17:26	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 17:26	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 17:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 17:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 17:26	YH
Surr: 4-Terphenyl-d14	122	59.9-128		%REC	267230	1	09/19/2018 17:26	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-18S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 10:06:00 AM
Lab ID:	1809C98-033	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Fluorene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Benz(a)anthracene	0.12	0.050		ug/L	267231	1	09/19/2018 17:26	YH
Chrysene	0.23	0.050		ug/L	267231	1	09/19/2018 17:26	YH
Benzo(b)fluoranthene	0.20	0.10		ug/L	267231	1	09/19/2018 17:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Benzo(a)pyrene	0.12	0.050		ug/L	267231	1	09/19/2018 17:26	YH
Indeno(1,2,3-cd)pyrene	0.093	0.050		ug/L	267231	1	09/19/2018 17:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 17:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 17:26	YH
Surr: 4-Terphenyl-d14	80.9	59.9-128		%REC	267231	1	09/19/2018 17:26	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	DUP-4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018
Lab ID:	1809C98-034	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Fluorene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Anthracene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Pyrene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/20/2018 16:54	YH
Chrysene	0.13	0.050		ug/L	267231	1	09/20/2018 16:54	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/20/2018 16:54	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 16:54	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 16:54	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 16:54	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 16:54	YH
Surr: 4-Terphenyl-d14	101	59.9-128		%REC	267231	1	09/20/2018 16:54	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	PZ-2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 10:25:00 AM
Lab ID:	1809C98-035	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:02	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 04:02	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:02	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:02	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:02	OM
Surr: 4-Bromofluorobenzene	89.9	68-127		%REC	267545	1	09/21/2018 04:02	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Fluorene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 18:44	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 18:44	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 18:44	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:44	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:44	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 18:44	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 18:44	YH
Surr: 4-Terphenyl-d14	98.3	59.9-128		%REC	267231	1	09/19/2018 18:44	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-01I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 10:42:00 AM
Lab ID:	1809C98-036	**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	267477	1	09/20/2018 18:50	JE
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,1,2-Trichloroethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,1-Dichloroethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,1-Dichloroethene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2-Dibromoethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2-Dichlorobenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2-Dichloroethane	8.3	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,2-Dichloropropane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,3-Dichlorobenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
1,4-Dichlorobenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
2-Butanone	BRL	50		ug/L	267477	1	09/20/2018 18:50	JE
2-Hexanone	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
4-Methyl-2-pentanone	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
Acetone	BRL	50		ug/L	267477	1	09/20/2018 18:50	JE
Benzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Bromodichloromethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Bromoform	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Bromomethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Carbon disulfide	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Carbon tetrachloride	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Chlorobenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Chloroethane	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
Chloroform	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Chloromethane	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
cis-1,2-Dichloroethene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
cis-1,3-Dichloropropene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Cyclohexane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Dibromochloromethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Dichlorodifluoromethane	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
Ethylbenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Freon-113	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
Isopropylbenzene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
m,p-Xylene	BRL	10		ug/L	267477	1	09/20/2018 18:50	JE
Methyl acetate	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Methyl tert-butyl ether	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Methylcyclohexane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Methylene chloride	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
o-Xylene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-01I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 10:42:00 AM
Lab ID:	1809C98-036	**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	267477	1	09/20/2018 18:50	JE
Tetrachloroethene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Toluene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
trans-1,2-Dichloroethene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
trans-1,3-Dichloropropene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Trichloroethene	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Trichlorofluoromethane	BRL	5.0		ug/L	267477	1	09/20/2018 18:50	JE
Vinyl chloride	BRL	2.0		ug/L	267477	1	09/20/2018 18:50	JE
Surr: 4-Bromofluorobenzene	97.8	68-127		%REC	267477	1	09/20/2018 18:50	JE
Surr: Dibromofluoromethane	101	84.4-122		%REC	267477	1	09/20/2018 18:50	JE
Surr: Toluene-d8	97.8	80.1-116		%REC	267477	1	09/20/2018 18:50	JE

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-29I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 11:40:00 AM
Lab ID:	1809C98-037	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:26	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 04:26	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:26	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:26	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:26	OM
Surr: 4-Bromofluorobenzene	88.5	68-127		%REC	267545	1	09/21/2018 04:26	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Acenaphthene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Fluorene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Phenanthrene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 17:52	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 17:52	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 17:52	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:52	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 17:52	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 17:52	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 17:52	YH
Surr: 4-Terphenyl-d14	107	59.9-128		%REC	267230	1	09/19/2018 17:52	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-20I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 12:55:00 PM
Lab ID:	1809C98-038	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:50	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 04:50	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 04:50	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:50	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 04:50	OM
Surr: 4-Bromofluorobenzene	91.3	68-127		%REC	267545	1	09/21/2018 04:50	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
2-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
1-Methylnaphthalene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Acenaphthylene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Acenaphthene	10	10		ug/L	267230	100	09/21/2018 13:06	YH
Fluorene	10	10		ug/L	267230	100	09/21/2018 13:06	YH
Phenanthrene	11	10		ug/L	267230	100	09/21/2018 13:06	YH
Anthracene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Pyrene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Benz(a)anthracene	BRL	0.050		ug/L	267230	1	09/19/2018 18:18	YH
Chrysene	BRL	0.050		ug/L	267230	1	09/19/2018 18:18	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267230	1	09/19/2018 18:18	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 18:18	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267230	1	09/19/2018 18:18	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267230	1	09/19/2018 18:18	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267230	1	09/19/2018 18:18	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267230	1	09/19/2018 18:18	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 17:00	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:35	DG
Barium	0.0226	0.0200		mg/L	267341	1	09/19/2018 20:35	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:35	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:35	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:35	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:35	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:35	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-41S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 2:32:00 PM
Lab ID:	1809C98-039	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 05:13	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 05:13	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 05:13	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 05:13	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 05:13	OM
Surr: 4-Bromofluorobenzene	92.7	68-127		%REC	267545	1	09/21/2018 05:13	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Fluorene	12	10		ug/L	267231	100	09/21/2018 13:33	YH
Phenanthrene	23	10		ug/L	267231	100	09/21/2018 13:33	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 19:10	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 19:10	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 19:10	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:10	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:10	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 19:10	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 19:10	YH
Surr: 4-Terphenyl-d14	124	59.9-128		%REC	267231	1	09/19/2018 19:10	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 17:03	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:37	DG
Barium	0.0705	0.0200		mg/L	267341	1	09/19/2018 20:37	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:37	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:37	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:37	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:37	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:37	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-6S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 3:11:00 PM
Lab ID:	1809C98-040	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	8.9	1.0		ug/L	267545	1	09/21/2018 10:25	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 10:25	OM
Ethylbenzene	3.8	1.0		ug/L	267545	1	09/21/2018 10:25	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 10:25	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 10:25	OM
Surr: 4-Bromofluorobenzene	92.4	68-127		%REC	267545	1	09/21/2018 10:25	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	100	10		ug/L	267231	100	09/21/2018 14:02	YH
1-Methylnaphthalene	7.1	0.50		ug/L	267231	1	09/19/2018 17:52	YH
2-Methylnaphthalene	1.4	0.50		ug/L	267231	1	09/19/2018 17:52	YH
Acenaphthylene	1.8	1.0		ug/L	267231	1	09/19/2018 17:52	YH
Acenaphthene	58	10		ug/L	267231	100	09/21/2018 14:02	YH
Fluorene	7.2	0.10		ug/L	267231	1	09/19/2018 17:52	YH
Phenanthrene	28	10		ug/L	267231	100	09/21/2018 14:02	YH
Anthracene	2.6	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Fluoranthene	1.6	0.10		ug/L	267231	1	09/19/2018 17:52	YH
Pyrene	0.77	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 17:52	YH
Benzo(k)fluoranthene	BRL	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 17:52	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 17:52	YH
Benzo(g,h,i)perylene	BRL	0.10		ug/L	267231	1	09/19/2018 17:52	YH
Surr: 4-Terphenyl-d14	86.4	59.9-128		%REC	267231	1	09/19/2018 17:52	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-20S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 3:25:00 PM
Lab ID:	1809C98-041	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	1.1	1.0		ug/L	267545	1	09/25/2018 14:01	BK
Toluene	BRL	1.0		ug/L	267545	1	09/25/2018 14:01	BK
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/25/2018 14:01	BK
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/25/2018 14:01	BK
o-Xylene	BRL	1.0		ug/L	267545	1	09/25/2018 14:01	BK
Surr: 4-Bromofluorobenzene	102	68-127		%REC	267545	1	09/25/2018 14:01	BK
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	320	10		ug/L	267231	100	09/21/2018 14:28	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
1-Methylnaphthalene	26	10		ug/L	267231	100	09/21/2018 14:28	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Acenaphthene	58	10		ug/L	267231	100	09/21/2018 14:28	YH
Fluorene	66	10		ug/L	267231	100	09/21/2018 14:28	YH
Phenanthrene	13	10		ug/L	267231	100	09/21/2018 14:28	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Benz(a)anthracene	0.073	0.050		ug/L	267231	1	09/19/2018 18:18	YH
Chrysene	0.056	0.050		ug/L	267231	1	09/19/2018 18:18	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 18:18	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:18	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:18	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 18:18	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 18:18	YH
Surr: 4-Terphenyl-d14	93	59.9-128		%REC	267231	1	09/19/2018 18:18	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267414	1	09/20/2018 17:06	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:40	DG
Barium	0.144	0.0200		mg/L	267341	1	09/19/2018 20:40	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:40	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:40	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:40	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:40	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:40	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	PZ-4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 4:08:00 PM
Lab ID:	1809C98-042	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 05:38	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 05:38	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 05:38	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 05:38	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 05:38	OM
Surr: 4-Bromofluorobenzene	89.2	68-127		%REC	267545	1	09/21/2018 05:38	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Fluorene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 18:45	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 18:45	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 18:45	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:45	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 18:45	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 18:45	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 18:45	YH
Surr: 4-Terphenyl-d14	96.9	59.9-128		%REC	267231	1	09/19/2018 18:45	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-43I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 4:30:00 PM
Lab ID:	1809C98-043	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 06:02	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 06:02	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 06:02	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:02	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:02	OM
Surr: 4-Bromofluorobenzene	87.7	68-127		%REC	267545	1	09/21/2018 06:02	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	26	10		ug/L	267231	100	09/21/2018 14:54	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Fluorene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Phenanthrene	BRL	10		ug/L	267231	100	09/21/2018 14:54	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 19:11	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 19:11	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 19:11	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:11	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:11	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 19:11	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 19:11	YH
Surr: 4-Terphenyl-d14	82.1	59.9-128		%REC	267231	1	09/19/2018 19:11	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267496	1	09/21/2018 14:55	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:47	DG
Barium	0.0744	0.0200		mg/L	267341	1	09/19/2018 20:47	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:47	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:47	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:47	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:47	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:47	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-11I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 5:53:00 PM
Lab ID:	1809C98-044	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	2.8	1.0		ug/L	267545	1	09/21/2018 06:25	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 06:25	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 06:25	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:25	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:25	OM
Surr: 4-Bromofluorobenzene	93.2	68-127		%REC	267545	1	09/21/2018 06:25	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	250	10		ug/L	267231	100	09/21/2018 15:22	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
1-Methylnaphthalene	17	10		ug/L	267231	100	09/21/2018 15:22	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Acenaphthene	BRL	10		ug/L	267231	100	09/21/2018 15:22	YH
Fluorene	13	10		ug/L	267231	100	09/21/2018 15:22	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 19:37	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 19:37	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 19:37	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:37	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 19:37	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 19:37	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 19:37	YH
Surr: 4-Terphenyl-d14	90.5	59.9-128		%REC	267231	1	09/19/2018 19:37	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-31I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 6:00:00 PM
Lab ID:	1809C98-045	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	2.8	1.0		ug/L	267545	1	09/21/2018 08:01	OM
Toluene	1.2	1.0		ug/L	267545	1	09/21/2018 08:01	OM
Ethylbenzene	3.7	1.0		ug/L	267545	1	09/21/2018 08:01	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 08:01	OM
o-Xylene	1.1	1.0		ug/L	267545	1	09/21/2018 08:01	OM
Surr: 4-Bromofluorobenzene	93.8	68-127		%REC	267545	1	09/21/2018 08:01	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	1200	100		ug/L	267231	1000	09/24/2018 11:02	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
1-Methylnaphthalene	100	10		ug/L	267231	100	09/21/2018 15:48	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Acenaphthene	44	10		ug/L	267231	100	09/21/2018 15:48	YH
Fluorene	41	10		ug/L	267231	100	09/21/2018 15:48	YH
Phenanthrene	59	10		ug/L	267231	100	09/21/2018 15:48	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 20:04	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/19/2018 20:04	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 20:04	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 20:04	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 20:04	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 20:04	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 20:04	YH
Surr: 4-Terphenyl-d14	96.4	59.9-128		%REC	267231	1	09/19/2018 20:04	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-11S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 6:30:00 PM
Lab ID:	1809C98-046	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons SW8270D (SW3510C)								
Naphthalene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Fluorene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Anthracene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Pyrene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/19/2018 20:29	YH
Chrysene	0.066	0.050		ug/L	267231	1	09/19/2018 20:29	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/19/2018 20:29	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Benzo(a)pyrene	0.053	0.050		ug/L	267231	1	09/19/2018 20:29	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/19/2018 20:29	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/19/2018 20:29	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/19/2018 20:29	YH
Surr: 4-Terphenyl-d14	95.5	59.9-128		%REC	267231	1	09/19/2018 20:29	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-24I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018 6:44:00 PM
Lab ID:	1809C98-047	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 06:49	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 06:49	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 06:49	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:49	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 06:49	OM
Surr: 4-Bromofluorobenzene	89.1	68-127		%REC	267545	1	09/21/2018 06:49	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	120	10		ug/L	267231	100	09/21/2018 18:55	YH
2-Methylnaphthalene	25	10		ug/L	267231	100	09/21/2018 18:55	YH
1-Methylnaphthalene	66	10		ug/L	267231	100	09/21/2018 18:55	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/20/2018 14:39	YH
Acenaphthene	83	10		ug/L	267231	100	09/21/2018 18:55	YH
Fluorene	56	10		ug/L	267231	100	09/21/2018 18:55	YH
Phenanthrene	120	10		ug/L	267231	100	09/21/2018 18:55	YH
Anthracene	BRL	10		ug/L	267231	1	09/20/2018 14:39	YH
Fluoranthene	19	10		ug/L	267231	100	09/21/2018 18:55	YH
Pyrene	12	10		ug/L	267231	100	09/21/2018 18:55	YH
Benz(a)anthracene	0.39	0.050		ug/L	267231	1	09/20/2018 14:39	YH
Chrysene	0.30	0.050		ug/L	267231	1	09/20/2018 14:39	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/20/2018 14:39	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 14:39	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 14:39	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 14:39	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 14:39	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 14:39	YH
Surr: 4-Terphenyl-d14	102	59.9-128		%REC	267231	1	09/20/2018 14:39	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267496	1	09/21/2018 14:59	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:49	DG
Barium	0.0640	0.0200		mg/L	267341	1	09/19/2018 20:49	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:49	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:49	DG
Lead	0.0128	0.0100		mg/L	267341	1	09/19/2018 20:49	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:49	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:49	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	DUP-5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/13/2018
Lab ID:	1809C98-048	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 07:13	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 07:13	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 07:13	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 07:13	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 07:13	OM
Surr: 4-Bromofluorobenzene	88.3	68-127		%REC	267545	1	09/21/2018 07:13	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
2-Methylnaphthalene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
1-Methylnaphthalene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Acenaphthene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Fluorene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Phenanthrene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Anthracene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Pyrene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/20/2018 15:05	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/20/2018 15:05	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/20/2018 15:05	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 15:05	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 15:05	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 15:05	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 15:05	YH
Surr: 4-Terphenyl-d14	93.9	59.9-128		%REC	267231	1	09/20/2018 15:05	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-29S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 7:12:00 AM
Lab ID:	1809C98-049	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	25	1.0		ug/L	267545	1	09/21/2018 10:49	OM
Toluene	2.9	1.0		ug/L	267545	1	09/21/2018 10:49	OM
Ethylbenzene	12	1.0		ug/L	267545	1	09/21/2018 10:49	OM
m,p-Xylene	14	1.0		ug/L	267545	1	09/21/2018 10:49	OM
o-Xylene	11	1.0		ug/L	267545	1	09/21/2018 10:49	OM
Surr: 4-Bromofluorobenzene	94.3	68-127		%REC	267545	1	09/21/2018 10:49	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	2000	100		ug/L	267231	1000	09/24/2018 11:28	YH
2-Methylnaphthalene	47	10		ug/L	267231	100	09/21/2018 19:21	YH
1-Methylnaphthalene	150	10		ug/L	267231	100	09/21/2018 19:21	YH
Acenaphthylene	BRL	10		ug/L	267231	100	09/21/2018 19:21	YH
Acenaphthene	140	10		ug/L	267231	100	09/21/2018 19:21	YH
Fluorene	62	10		ug/L	267231	100	09/21/2018 19:21	YH
Phenanthrene	72	10		ug/L	267231	100	09/21/2018 19:21	YH
Anthracene	BRL	10		ug/L	267231	1	09/20/2018 15:33	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 15:33	YH
Pyrene	BRL	10		ug/L	267231	1	09/20/2018 15:33	YH
Benz(a)anthracene	0.074	0.050		ug/L	267231	1	09/20/2018 15:33	YH
Chrysene	0.061	0.050		ug/L	267231	1	09/20/2018 15:33	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/20/2018 15:33	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 15:33	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 15:33	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 15:33	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 15:33	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 15:33	YH
Surr: 4-Terphenyl-d14	72.3	59.9-128		%REC	267231	1	09/20/2018 15:33	YH
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267496	1	09/21/2018 15:02	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:51	DG
Barium	0.0725	0.0200		mg/L	267341	1	09/19/2018 20:51	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:51	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:51	DG
Lead	0.0376	0.0100		mg/L	267341	1	09/19/2018 20:51	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:51	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:51	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-47S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 8:20:00 AM
Lab ID:	1809C98-050	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 11:13	OM
Toluene	1.1	1.0		ug/L	267545	1	09/21/2018 11:13	OM
Ethylbenzene	1.5	1.0		ug/L	267545	1	09/21/2018 11:13	OM
m,p-Xylene	2.1	1.0		ug/L	267545	1	09/21/2018 11:13	OM
o-Xylene	1.2	1.0		ug/L	267545	1	09/21/2018 11:13	OM
Surr: 4-Bromofluorobenzene	99.1	68-127		%REC	267545	1	09/21/2018 11:13	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	1700	100		ug/L	267231	1000	09/24/2018 11:54	YH
2-Methylnaphthalene	1300	100		ug/L	267231	1000	09/24/2018 11:54	YH
1-Methylnaphthalene	680	10		ug/L	267231	100	09/21/2018 19:47	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/20/2018 16:00	YH
Acenaphthene	560	10		ug/L	267231	100	09/21/2018 19:47	YH
Fluorene	290	10		ug/L	267231	100	09/21/2018 19:47	YH
Phenanthrene	230	10		ug/L	267231	100	09/21/2018 19:47	YH
Anthracene	11	10		ug/L	267231	100	09/21/2018 19:47	YH
Fluoranthene	24	10		ug/L	267231	100	09/21/2018 19:47	YH
Pyrene	15	10		ug/L	267231	100	09/21/2018 19:47	YH
Benz(a)anthracene	0.83	0.050		ug/L	267231	1	09/20/2018 16:00	YH
Chrysene	0.58	0.050		ug/L	267231	1	09/20/2018 16:00	YH
Benzo(b)fluoranthene	0.11	0.10		ug/L	267231	1	09/20/2018 16:00	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 16:00	YH
Benzo(a)pyrene	0.062	0.050		ug/L	267231	1	09/20/2018 16:00	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 16:00	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 16:00	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 16:00	YH
Surr: 4-Terphenyl-d14	54.2	59.9-128	S	%REC	267231	1	09/20/2018 16:00	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: 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-12S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 8:54:00 AM
Lab ID:	1809C98-051	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	13	1.0		ug/L	267545	1	09/21/2018 11:38	OM
Toluene	22	1.0		ug/L	267545	1	09/21/2018 11:38	OM
Ethylbenzene	16	1.0		ug/L	267545	1	09/21/2018 11:38	OM
m,p-Xylene	46	1.0		ug/L	267545	1	09/21/2018 11:38	OM
o-Xylene	33	1.0		ug/L	267545	1	09/21/2018 11:38	OM
Surr: 4-Bromofluorobenzene	97.8	68-127		%REC	267545	1	09/21/2018 11:38	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	4800	100		ug/L	267231	1000	09/24/2018 12:21	YH
2-Methylnaphthalene	65	10		ug/L	267231	100	09/21/2018 20:14	YH
1-Methylnaphthalene	350	10		ug/L	267231	100	09/21/2018 20:14	YH
Acenaphthylene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Acenaphthene	320	10		ug/L	267231	100	09/21/2018 20:14	YH
Fluorene	150	10		ug/L	267231	100	09/21/2018 20:14	YH
Phenanthrene	130	10		ug/L	267231	100	09/21/2018 20:14	YH
Anthracene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Pyrene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Benz(a)anthracene	BRL	0.050		ug/L	267231	1	09/20/2018 16:26	YH
Chrysene	BRL	0.050		ug/L	267231	1	09/20/2018 16:26	YH
Benzo(b)fluoranthene	BRL	0.10		ug/L	267231	1	09/20/2018 16:26	YH
Benzo(k)fluoranthene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Benzo(a)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 16:26	YH
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267231	1	09/20/2018 16:26	YH
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267231	1	09/20/2018 16:26	YH
Benzo(g,h,i)perylene	BRL	10		ug/L	267231	1	09/20/2018 16:26	YH
Surr: 4-Terphenyl-d14	117	59.9-128		%REC	267231	1	09/20/2018 16:26	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-13S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 9:08:00 AM
Lab ID:	1809C98-052	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
SIM Polynuclear Aromatic Hydrocarbons	**SW8270D**			**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Acenaphthene	14	1.0		ug/L	267232	10	09/20/2018 09:59	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 21:43	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 21:43	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 21:43	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 21:43	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 21:43	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 21:43	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 21:43	RF
Surr: 4-Terphenyl-d14	100	59.9-128		%REC	267232	1	09/19/2018 21:43	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-44I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 10:45:00 AM
Lab ID:	1809C98-053	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 12:02	OM
Toluene	2.6	1.0		ug/L	267545	1	09/21/2018 12:02	OM
Ethylbenzene	2.5	1.0		ug/L	267545	1	09/21/2018 12:02	OM
m,p-Xylene	7.4	1.0		ug/L	267545	1	09/21/2018 12:02	OM
o-Xylene	3.0	1.0		ug/L	267545	1	09/21/2018 12:02	OM
Surr: 4-Bromofluorobenzene	99.2	68-127		%REC	267545	1	09/21/2018 12:02	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	3300	50		ug/L	267232	500	09/20/2018 10:51	RF
2-Methylnaphthalene	1200	50		ug/L	267232	500	09/20/2018 10:51	RF
1-Methylnaphthalene	570	50		ug/L	267232	500	09/20/2018 10:51	RF
Acenaphthylene	11	1.0		ug/L	267232	10	09/20/2018 10:23	RF
Acenaphthene	510	50		ug/L	267232	500	09/20/2018 10:51	RF
Fluorene	310	50		ug/L	267232	500	09/20/2018 10:51	RF
Phenanthrene	270	50		ug/L	267232	500	09/20/2018 10:51	RF
Anthracene	12	1.0		ug/L	267232	10	09/20/2018 10:23	RF
Fluoranthene	12	1.0		ug/L	267232	10	09/20/2018 10:23	RF
Pyrene	4.9	1.0		ug/L	267232	10	09/20/2018 10:23	RF
Benz(a)anthracene	0.089	0.050		ug/L	267232	1	09/19/2018 22:06	RF
Chrysene	0.091	0.050		ug/L	267232	1	09/19/2018 22:06	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 22:06	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 22:06	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:06	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:06	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 22:06	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 22:06	RF
Surr: 4-Terphenyl-d14	118	59.9-128		%REC	267232	1	09/19/2018 22:06	RF
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267496	1	09/21/2018 15:05	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:53	DG
Barium	0.0571	0.0200		mg/L	267341	1	09/19/2018 20:53	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:53	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:53	DG
Lead	0.0406	0.0100		mg/L	267341	1	09/19/2018 20:53	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:53	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:53	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-28I
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 10:47:00 AM
Lab ID:	1809C98-054	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267545	1	09/21/2018 07:37	OM
Toluene	BRL	1.0		ug/L	267545	1	09/21/2018 07:37	OM
Ethylbenzene	BRL	1.0		ug/L	267545	1	09/21/2018 07:37	OM
m,p-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 07:37	OM
o-Xylene	BRL	1.0		ug/L	267545	1	09/21/2018 07:37	OM
Surr: 4-Bromofluorobenzene	88.1	68-127		%REC	267545	1	09/21/2018 07:37	OM
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 22:30	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 22:30	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 22:30	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:30	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:30	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 22:30	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 22:30	RF
Surr: 4-Terphenyl-d14	98.1	59.9-128		%REC	267232	1	09/19/2018 22:30	RF
Mercury, Total SW7470A				**(SW7470A)**				
Mercury	BRL	0.00020		mg/L	267496	1	09/21/2018 15:09	CD
METALS, TOTAL SW6010D				**(SW3010A)**				
Arsenic	BRL	0.0500		mg/L	267341	1	09/19/2018 20:56	DG
Barium	0.0329	0.0200		mg/L	267341	1	09/19/2018 20:56	DG
Cadmium	BRL	0.0050		mg/L	267341	1	09/19/2018 20:56	DG
Chromium	BRL	0.0100		mg/L	267341	1	09/19/2018 20:56	DG
Lead	BRL	0.0100		mg/L	267341	1	09/19/2018 20:56	DG
Selenium	BRL	0.0200		mg/L	267341	1	09/19/2018 20:56	DG
Silver	BRL	0.0100		mg/L	267341	1	09/19/2018 20:56	DG

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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	GW-27S
Project Name:	GDOT - Walker Street	**Collection Date:**	9/14/2018 11:36:00 AM
Lab ID:	1809C98-055	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 03:51	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 03:51	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 03:51	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 03:51	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 03:51	NP
Surr: 4-Bromofluorobenzene	84.4	68-127		%REC	267499	1	09/21/2018 03:51	NP
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**				
Naphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
2-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
1-Methylnaphthalene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Acenaphthylene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Acenaphthene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Fluorene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Phenanthrene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Anthracene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Pyrene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Benz(a)anthracene	BRL	0.050		ug/L	267232	1	09/19/2018 22:54	RF
Chrysene	BRL	0.050		ug/L	267232	1	09/19/2018 22:54	RF
Benzo(b)fluoranthene	BRL	0.10		ug/L	267232	1	09/19/2018 22:54	RF
Benzo(k)fluoranthene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Benzo(a)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:54	RF
Indeno(1,2,3-cd)pyrene	BRL	0.050		ug/L	267232	1	09/19/2018 22:54	RF
Dibenz(a,h)anthracene	BRL	0.10		ug/L	267232	1	09/19/2018 22:54	RF
Benzo(g,h,i)perylene	BRL	10		ug/L	267232	1	09/19/2018 22:54	RF
Surr: 4-Terphenyl-d14	114	59.9-128		%REC	267232	1	09/19/2018 22:54	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-056	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/20/2018 23:29	NP
Toluene	BRL	1.0		ug/L	267499	1	09/20/2018 23:29	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/20/2018 23:29	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/20/2018 23:29	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/20/2018 23:29	NP
Surr: 4-Bromofluorobenzene	89.4	68-127		%REC	267499	1	09/20/2018 23:29	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 2
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-057	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/20/2018 23:58	NP
Toluene	BRL	1.0		ug/L	267499	1	09/20/2018 23:58	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/20/2018 23:58	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/20/2018 23:58	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/20/2018 23:58	NP
Surr: 4-Bromofluorobenzene	87.2	68-127		%REC	267499	1	09/20/2018 23:58	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 3
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-058	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 00:28	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 00:28	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 00:28	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 00:28	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 00:28	NP
Surr: 4-Bromofluorobenzene	86.4	68-127		%REC	267499	1	09/21/2018 00:28	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 4
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-059	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 00:57	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 00:57	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 00:57	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 00:57	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 00:57	NP
Surr: 4-Bromofluorobenzene	85.2	68-127		%REC	267499	1	09/21/2018 00:57	NP

Qualifiers:

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

Analytical Environmental Services, Inc **Date:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 5
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-060	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 01:26	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 01:26	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 01:26	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 01:26	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 01:26	NP
Surr: 4-Bromofluorobenzene	87.1	68-127		%REC	267499	1	09/21/2018 01:26	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 6
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-061	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 01:55	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 01:55	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 01:55	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 01:55	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 01:55	NP
Surr: 4-Bromofluorobenzene	84.6	68-127		%REC	267499	1	09/21/2018 01:55	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 7
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-062	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 02:24	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 02:24	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 02:24	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 02:24	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 02:24	NP
Surr: 4-Bromofluorobenzene	85.8	68-127		%REC	267499	1	09/21/2018 02:24	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:** 26-Sep-18

Client:	AECOM	**Client Sample ID:**	TRIP BLANK 8
Project Name:	GDOT - Walker Street	**Collection Date:**	9/10/2018
Lab ID:	1809C98-063	**Matrix:**	Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
VOLATILE ORGANICS SW8260B				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	267499	1	09/21/2018 02:53	NP
Toluene	BRL	1.0		ug/L	267499	1	09/21/2018 02:53	NP
Ethylbenzene	BRL	1.0		ug/L	267499	1	09/21/2018 02:53	NP
m,p-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 02:53	NP
o-Xylene	BRL	1.0		ug/L	267499	1	09/21/2018 02:53	NP
Surr: 4-Bromofluorobenzene	86.2	68-127		%REC	267499	1	09/21/2018 02:53	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: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-6D				**Lab ID:** 1809C98-009			
Collection Date: 9/11/2018 12:55:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benz(a)anthracene	0.096		0.018	0.050	ug/L	267229	1
Chrysene	0.086		0.017	0.050	ug/L	267229	1
Benzo(a)pyrene	0.089		0.022	0.050	ug/L	267229	1
Indeno(1,2,3-cd)pyrene	0.094		0.012	0.050	ug/L	267229	1
Client Sample ID: GW-33I				**Lab ID:** 1809C98-010			
Collection Date: 9/11/2018 2:30:00 PM				**Matrix:** Aqueous			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0594		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-32I				**Lab ID:** 1809C98-014			
Collection Date: 9/11/2018 5:07:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	54		0.72	10	ug/L	267229	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0390		0.0027	0.0200	mg/L	267341	1
Client Sample ID: DUP-2				**Lab ID:** 1809C98-017			
Collection Date: 9/11/2018				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	46		0.72	10	ug/L	267229	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0408		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-27I				**Lab ID:** 1809C98-018			
Collection Date: 9/12/2018 8:39:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	76		0.72	10	ug/L	267230	100
1-Methylnaphthalene	18		0.60	10	ug/L	267230	100
Acenaphthene	51		1.7	10	ug/L	267230	100
Fluorene	26		1.9	10	ug/L	267230	100
Benz(a)anthracene	0.81		0.018	0.050	ug/L	267230	1
Chrysene	0.91		0.017	0.050	ug/L	267230	1
Benzo(b)fluoranthene	0.62		0.020	0.10	ug/L	267230	1
Benzo(a)pyrene	0.74		0.022	0.050	ug/L	267230	1
Indeno(1,2,3-cd)pyrene	0.80		0.012	0.050	ug/L	267230	1
Dibenz(a,h)anthracene	1.0		0.0097	0.10	ug/L	267230	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0251		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-30I				**Lab ID:** 1809C98-030			
Collection Date: 9/12/2018 6:20:00 PM				**Matrix:** Aqueous			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0375		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-18S				**Lab ID:** 1809C98-033			
Collection Date: 9/13/2018 10:06:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			

Analytical Environmental Services, Inc

Date: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-18S				**Lab ID:** 1809C98-033			
Collection Date: 9/13/2018 10:06:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Benz(a)anthracene	0.12		0.018	0.050	ug/L	267231	1
Chrysene	0.23		0.017	0.050	ug/L	267231	1
Benzo(b)fluoranthene	0.20		0.020	0.10	ug/L	267231	1
Benzo(a)pyrene	0.12		0.022	0.050	ug/L	267231	1
Indeno(1,2,3-cd)pyrene	0.093		0.012	0.050	ug/L	267231	1
Client Sample ID: DUP-4				**Lab ID:** 1809C98-034			
Collection Date: 9/13/2018				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Chrysene	0.13		0.017	0.050	ug/L	267231	1
Client Sample ID: GW-01I				**Lab ID:** 1809C98-036			
Collection Date: 9/13/2018 10:42:00 AM				**Matrix:** Aqueous			
TCL VOLATILE ORGANICS SW8260B				**(SW5030B)**			
1,2-Dichloroethane	8.3		0.37	5.0	ug/L	267477	1
Client Sample ID: GW-20I				**Lab ID:** 1809C98-038			
Collection Date: 9/13/2018 12:55:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	10		1.7	10	ug/L	267230	100
Fluorene	10		1.9	10	ug/L	267230	100
Phenanthrene	11		2.2	10	ug/L	267230	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0226		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-41S				**Lab ID:** 1809C98-039			
Collection Date: 9/13/2018 2:32:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Fluorene	12		1.9	10	ug/L	267231	100
Phenanthrene	23		2.2	10	ug/L	267231	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0705		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-6S				**Lab ID:** 1809C98-040			
Collection Date: 9/13/2018 3:11:00 PM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	8.9		0.17	1.0	ug/L	267545	1
Ethylbenzene	3.8		0.19	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	100		0.72	10	ug/L	267231	100
1-Methylnaphthalene	7.1		0.0060	0.50	ug/L	267231	1
2-Methylnaphthalene	1.4		0.0057	0.50	ug/L	267231	1
Acenaphthylene	1.8		0.020	1.0	ug/L	267231	1
Acenaphthene	58		1.7	10	ug/L	267231	100
Fluorene	7.2		0.019	0.10	ug/L	267231	1
Phenanthrene	28		2.2	10	ug/L	267231	100
Anthracene	2.6		0.026	0.050	ug/L	267231	1
Fluoranthene	1.6		0.016	0.10	ug/L	267231	1

Analytical Environmental Services, Inc

Date: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-6S				**Lab ID:** 1809C98-040			
Collection Date: 9/13/2018 3:11:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Pyrene	0.77		0.015	0.050	ug/L	267231	1
Client Sample ID: GW-20S				**Lab ID:** 1809C98-041			
Collection Date: 9/13/2018 3:25:00 PM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	1.1		0.17	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	320		0.72	10	ug/L	267231	100
1-Methylnaphthalene	26		0.60	10	ug/L	267231	100
Acenaphthene	58		1.7	10	ug/L	267231	100
Fluorene	66		1.9	10	ug/L	267231	100
Phenanthrene	13		2.2	10	ug/L	267231	100
Benz(a)anthracene	0.073		0.018	0.050	ug/L	267231	1
Chrysene	0.056		0.017	0.050	ug/L	267231	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.144		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-43I				**Lab ID:** 1809C98-043			
Collection Date: 9/13/2018 4:30:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	26		0.72	10	ug/L	267231	100
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0744		0.0027	0.0200	mg/L	267341	1
Client Sample ID: GW-11I				**Lab ID:** 1809C98-044			
Collection Date: 9/13/2018 5:53:00 PM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	2.8		0.17	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	250		0.72	10	ug/L	267231	100
1-Methylnaphthalene	17		0.60	10	ug/L	267231	100
Fluorene	13		1.9	10	ug/L	267231	100
Client Sample ID: GW-31I				**Lab ID:** 1809C98-045			
Collection Date: 9/13/2018 6:00:00 PM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	2.8		0.17	1.0	ug/L	267545	1
Toluene	1.2		0.15	1.0	ug/L	267545	1
Ethylbenzene	3.7		0.19	1.0	ug/L	267545	1
o-Xylene	1.1		0.30	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	1200		7.2	100	ug/L	267231	1000
1-Methylnaphthalene	100		0.60	10	ug/L	267231	100
Acenaphthene	44		1.7	10	ug/L	267231	100
Fluorene	41		1.9	10	ug/L	267231	100
Phenanthrene	59		2.2	10	ug/L	267231	100
Client Sample ID: GW-11S				**Lab ID:** 1809C98-046			

Analytical Environmental Services, Inc

Date: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Collection Date: 9/13/2018 6:30:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Chrysene	0.066		0.017	0.050	ug/L	267231	1
Benzo(a)pyrene	0.053		0.022	0.050	ug/L	267231	1
Client Sample ID: GW-24I				**Lab ID:** 1809C98-047			
Collection Date: 9/13/2018 6:44:00 PM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	120		0.72	10	ug/L	267231	100
2-Methylnaphthalene	25		0.57	10	ug/L	267231	100
1-Methylnaphthalene	66		0.60	10	ug/L	267231	100
Acenaphthene	83		1.7	10	ug/L	267231	100
Fluorene	56		1.9	10	ug/L	267231	100
Phenanthrene	120		2.2	10	ug/L	267231	100
Fluoranthene	19		1.6	10	ug/L	267231	100
Pyrene	12		1.5	10	ug/L	267231	100
Benz(a)anthracene	0.39		0.018	0.050	ug/L	267231	1
Chrysene	0.30		0.017	0.050	ug/L	267231	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0640		0.0027	0.0200	mg/L	267341	1
Lead	0.0128		0.0038	0.0100	mg/L	267341	1
Client Sample ID: GW-29S				**Lab ID:** 1809C98-049			
Collection Date: 9/14/2018 7:12:00 AM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	25		0.17	1.0	ug/L	267545	1
Toluene	2.9		0.15	1.0	ug/L	267545	1
Ethylbenzene	12		0.19	1.0	ug/L	267545	1
m,p-Xylene	14		0.31	1.0	ug/L	267545	1
o-Xylene	11		0.30	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	2000		7.2	100	ug/L	267231	1000
2-Methylnaphthalene	47		0.57	10	ug/L	267231	100
1-Methylnaphthalene	150		0.60	10	ug/L	267231	100
Acenaphthene	140		1.7	10	ug/L	267231	100
Fluorene	62		1.9	10	ug/L	267231	100
Phenanthrene	72		2.2	10	ug/L	267231	100
Benz(a)anthracene	0.074		0.018	0.050	ug/L	267231	1
Chrysene	0.061		0.017	0.050	ug/L	267231	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0725		0.0027	0.0200	mg/L	267341	1
Lead	0.0376		0.0038	0.0100	mg/L	267341	1
Client Sample ID: GW-47S				**Lab ID:** 1809C98-050			
Collection Date: 9/14/2018 8:20:00 AM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Toluene	1.1		0.15	1.0	ug/L	267545	1
Ethylbenzene	1.5		0.19	1.0	ug/L	267545	1
m,p-Xylene	2.1		0.31	1.0	ug/L	267545	1
o-Xylene	1.2		0.30	1.0	ug/L	267545	1

Analytical Environmental Services, Inc

Date: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-47S				**Lab ID:** 1809C98-050			
Collection Date: 9/14/2018 8:20:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	1700		7.2	100	ug/L	267231	1000
2-Methylnaphthalene	1300		5.7	100	ug/L	267231	1000
1-Methylnaphthalene	680		0.60	10	ug/L	267231	100
Acenaphthene	560		1.7	10	ug/L	267231	100
Fluorene	290		1.9	10	ug/L	267231	100
Phenanthrene	230		2.2	10	ug/L	267231	100
Anthracene	11		2.6	10	ug/L	267231	100
Fluoranthene	24		1.6	10	ug/L	267231	100
Pyrene	15		1.5	10	ug/L	267231	100
Benz(a)anthracene	0.83		0.018	0.050	ug/L	267231	1
Chrysene	0.58		0.017	0.050	ug/L	267231	1
Benzo(b)fluoranthene	0.11		0.020	0.10	ug/L	267231	1
Benzo(a)pyrene	0.062		0.022	0.050	ug/L	267231	1
Client Sample ID: GW-12S				**Lab ID:** 1809C98-051			
Collection Date: 9/14/2018 8:54:00 AM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Benzene	13		0.17	1.0	ug/L	267545	1
Toluene	22		0.15	1.0	ug/L	267545	1
Ethylbenzene	16		0.19	1.0	ug/L	267545	1
m,p-Xylene	46		0.31	1.0	ug/L	267545	1
o-Xylene	33		0.30	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	4800		7.2	100	ug/L	267231	1000
2-Methylnaphthalene	65		0.57	10	ug/L	267231	100
1-Methylnaphthalene	350		0.60	10	ug/L	267231	100
Acenaphthene	320		1.7	10	ug/L	267231	100
Fluorene	150		1.9	10	ug/L	267231	100
Phenanthrene	130		2.2	10	ug/L	267231	100
Client Sample ID: GW-13S				**Lab ID:** 1809C98-052			
Collection Date: 9/14/2018 9:08:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	14		0.17	1.0	ug/L	267232	10
Client Sample ID: GW-44I				**Lab ID:** 1809C98-053			
Collection Date: 9/14/2018 10:45:00 AM				**Matrix:** Aqueous			
VOLATILE ORGANICS SW8260B				**(SW5030B)**			
Toluene	2.6		0.15	1.0	ug/L	267545	1
Ethylbenzene	2.5		0.19	1.0	ug/L	267545	1
m,p-Xylene	7.4		0.31	1.0	ug/L	267545	1
o-Xylene	3.0		0.30	1.0	ug/L	267545	1
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Naphthalene	3300		3.6	50	ug/L	267232	500
2-Methylnaphthalene	1200		2.8	50	ug/L	267232	500
1-Methylnaphthalene	570		3.0	50	ug/L	267232	500
Acenaphthylene	11		0.20	1.0	ug/L	267232	10

Analytical Environmental Services, Inc

Date: 26-Sep-18

SUMMARY OF ANALYTES DETECTED

Analyses	Result	Qual	MDL	Reporting Limit	Units	BatchID	Dilution Factor
Client Sample ID: GW-44I				**Lab ID:** 1809C98-053			
Collection Date: 9/14/2018 10:45:00 AM				**Matrix:** Aqueous			
SIM Polynuclear Aromatic Hydrocarbons SW8270D				**(SW3510C)**			
Acenaphthene	510		8.6	50	ug/L	267232	500
Fluorene	310		9.6	50	ug/L	267232	500
Phenanthrene	270		11	50	ug/L	267232	500
Anthracene	12		0.26	1.0	ug/L	267232	10
Fluoranthene	12		0.16	1.0	ug/L	267232	10
Pyrene	4.9		0.15	1.0	ug/L	267232	10
Benz(a)anthracene	0.089		0.018	0.050	ug/L	267232	1
Chrysene	0.091		0.017	0.050	ug/L	267232	1
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0571		0.0027	0.0200	mg/L	267341	1
Lead	0.0406		0.0038	0.0100	mg/L	267341	1
Client Sample ID: GW-28I				**Lab ID:** 1809C98-054			
Collection Date: 9/14/2018 10:47:00 AM				**Matrix:** Aqueous			
METALS, TOTAL SW6010D				**(SW3010A)**			
Barium	0.0329		0.0027	0.0200	mg/L	267341	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

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **AECOM** AES Work Order Number: **1809C98**

2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ■ Courier ☐ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Temperature blanks present?	●	○	○		
7.	Cooler temperature(s) within limits of 0-6°C? [See item 13 and 14 for temperature recordings.]	●	○	○	Cooling initiated for recently collected samples / ice present ☐	
8.	Chain of Custody (COC) present?	●	○	○		
9.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
10.	Sampler name and/or signature on COC?	●	○	○		
11.	Were all samples received within holding time?	●	○	○		
12.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions. ☐	

13. Cooler 1 Temperature 3.3 °C Cooler 2 Temperature 2.3 °C Cooler 3 Temperature 2.8 °C Cooler 4 Temperature 2.6 °C

14. Cooler 5 Temperature 3.6 °C Cooler 6 Temperature 2.5 °C Cooler 7 Temperature 3.1 °C Cooler 8 Temperature 3.0 °C

15. Comments: Cooler#9 is 2.5, #10 is 2.8, #11 is 2.6, and #12 is 2.7

I certify that I have completed sections 1-15 (dated initials). MJ 9/14/18

		Yes	No	N/A	Details	Comments
16.	Were sample containers intact upon receipt?	●	○	○		
17.	Custody seals present on sample containers?	○	●	○		
18.	Custody seals intact on sample containers?	○	○	●		
19.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
20.	Are analyses requested indicated on the COC?	●	○	○		
21.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☐ samples listed on COC not received ☐	
22.	Was the sample collection date/time noted?	●	○	○		
23.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
24.	Were samples received in appropriate containers?	●	○	○		
25.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
26.	Were trip blanks submitted?	●	○	○	listed on COC ■ not listed on COC ☐	

27. Comments:

I certify that I have completed sections 16-27 (dated initials). MJ 9/15/18

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
28.	Have containers needing chemical preservation been checked? *	●	○	○		
29.	Containers meet preservation guidelines?	●	○	○		
30.	Was pH adjusted at Sample Receipt?	○	○	●		

* Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH.

I certify that I have completed sections 28-30 (dated initials). MJ 9/15/18

Checklist 6.9.17 Rev 2

Locked

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267229

Sample ID: **MB-267229** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380365**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/19/2018** Seq No: **8477415**

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	2.323	0	2.000		116	59.9	128				

Sample ID: **LCS-267229** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8473744**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	2.175	0.50	2.000		109	60.4	120				
2-Methylnaphthalene	2.117	0.50	2.000		106	58.4	120				
Acenaphthene	2.098	0.50	2.000		105	64.7	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267229

Sample ID: **LCS-267229** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8473744**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Acenaphthylene	2.126	1.0	2.000		106	63.2	120				
Anthracene	2.195	0.050	2.000		110	69.3	125				
Benz(a)anthracene	2.509	0.050	2.000		125	71.1	141				
Benzo(a)pyrene	2.197	0.050	2.000		110	67.2	131				
Benzo(b)fluoranthene	2.036	0.10	2.000		102	66.1	134				
Benzo(g,h,i)perylene	2.030	0.10	2.000		101	66.1	128				
Benzo(k)fluoranthene	2.381	0.050	2.000		119	67.7	133				
Chrysene	2.483	0.050	2.000		124	71.3	137				
Dibenz(a,h)anthracene	1.792	0.10	2.000		89.6	59.7	125				
Fluoranthene	2.473	0.10	2.000		124	72.3	129				
Fluorene	2.152	0.10	2.000		108	69.2	120				
Indeno(1,2,3-cd)pyrene	2.090	0.050	2.000		105	66.4	127				
Naphthalene	2.047	0.50	2.000		102	56.8	120				
Phenanthrene	2.269	0.050	2.000		113	70.9	120				
Pyrene	2.395	0.050	2.000		120	68.4	138				
Surr: 4-Terphenyl-d14	2.958	0	2.000		148	59.9	128				S

Sample ID: **1809B28-001BMS** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8479573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.953	0.50	2.000		97.6	60.2	120				
2-Methylnaphthalene	1.939	0.50	2.000		96.9	57.8	120				
Acenaphthene	1.898	0.50	2.000		94.9	61.4	120				
Acenaphthylene	2.004	1.0	2.000		100	63.9	120				
Anthracene	2.045	0.050	2.000		102	65.3	120				
Benz(a)anthracene	2.357	0.050	2.000	0.02851	116	76.7	124				
Benzo(a)pyrene	1.937	0.050	2.000		96.8	58.5	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267229

Sample ID: **1809B28-001BMS** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8479573**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzo(b)fluoranthene	1.618	0.10	2.000	0.02219	79.8	52.6	121				
Benzo(g,h,i)perylene	1.638	0.10	2.000		81.9	44.2	120				
Benzo(k)fluoranthene	1.847	0.050	2.000		92.4	59	120				
Chrysene	2.094	0.050	2.000	0.02223	104	65	122				
Dibenz(a,h)anthracene	1.550	0.10	2.000		77.5	38.2	120				
Fluoranthene	2.204	0.10	2.000	0.02426	109	71.7	118				
Fluorene	2.036	0.10	2.000		102	65.6	120				
Indeno(1,2,3-cd)pyrene	1.671	0.050	2.000		83.6	46.6	120				
Naphthalene	1.805	0.50	2.000		90.3	57.3	120				
Phenanthrene	1.921	0.050	2.000		96.0	65.6	120				
Pyrene	2.215	0.050	2.000	0.03421	109	69	121				
Surr: 4-Terphenyl-d14	3.101	0	2.000		155	59.9	128				S

Sample ID: **1809B28-001BMSD** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8479574**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.741	0.50	2.000		87.1	60.2	120	1.953	11.4	24.9	
2-Methylnaphthalene	1.698	0.50	2.000		84.9	57.8	120	1.939	13.2	26.4	
Acenaphthene	1.689	0.50	2.000		84.5	61.4	120	1.898	11.6	24.4	
Acenaphthylene	1.676	1.0	2.000		83.8	63.9	120	2.004	17.8	27.9	
Anthracene	1.888	0.050	2.000		94.4	65.3	120	2.045	7.98	26.3	
Benz(a)anthracene	2.134	0.050	2.000	0.02851	105	76.7	124	2.357	9.90	25	
Benzo(a)pyrene	1.887	0.050	2.000		94.4	58.5	120	1.937	2.58	23.5	
Benzo(b)fluoranthene	1.579	0.10	2.000	0.02219	77.8	52.6	121	1.618	2.43	24	
Benzo(g,h,i)perylene	1.691	0.10	2.000		84.5	44.2	120	1.638	3.19	32.1	
Benzo(k)fluoranthene	1.948	0.050	2.000		97.4	59	120	1.847	5.32	19.6	
Chrysene	2.110	0.050	2.000	0.02223	104	65	122	2.094	0.743	23	

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267229**

Sample ID: **1809B28-001BMSD** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267229** Analysis Date: **09/18/2018** Seq No: **8479574**

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	1.402	0.10	2.000		70.1	38.2	120	1.550	10.0	31.7	
Fluoranthene	2.115	0.10	2.000	0.02426	105	71.7	118	2.204	4.10	23	
Fluorene	1.764	0.10	2.000		88.2	65.6	120	2.036	14.3	25	
Indeno(1,2,3-cd)pyrene	1.580	0.050	2.000		79.0	46.6	120	1.671	5.59	32.4	
Naphthalene	1.666	0.50	2.000		83.3	57.3	120	1.805	8.04	27.2	
Phenanthrene	1.874	0.050	2.000		93.7	65.6	120	1.921	2.45	23.5	
Pyrene	2.072	0.050	2.000	0.03421	102	69	121	2.215	6.66	23.8	
Surr: 4-Terphenyl-d14	3.596	0	2.000		180	59.9	128	3.101	0	0	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267230

Sample ID: **MB-267230** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479584**

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	2.318	0	2.000		116	59.9	128				

Sample ID: **LCS-267230** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479585**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.808	0.50	2.000		90.4	60.4	120				
2-Methylnaphthalene	1.748	0.50	2.000		87.4	58.4	120				
Acenaphthene	1.858	0.50	2.000		92.9	64.7	120				
Acenaphthylene	1.852	1.0	2.000		92.6	63.2	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267230

Sample ID: **LCS-267230** Client ID: Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479585**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	2.111	0.050	2.000		106	69.3	125				
Benz(a)anthracene	2.251	0.050	2.000		113	71.1	141				
Benzo(a)pyrene	2.041	0.050	2.000		102	67.2	131				
Benzo(b)fluoranthene	1.716	0.10	2.000		85.8	66.1	134				
Benzo(g,h,i)perylene	1.925	0.10	2.000		96.2	66.1	128				
Benzo(k)fluoranthene	2.114	0.050	2.000		106	67.7	133				
Chrysene	2.230	0.050	2.000		112	71.3	137				
Dibenz(a,h)anthracene	1.494	0.10	2.000		74.7	59.7	125				
Fluoranthene	2.243	0.10	2.000		112	72.3	129				
Fluorene	1.949	0.10	2.000		97.4	69.2	120				
Indeno(1,2,3-cd)pyrene	1.830	0.050	2.000		91.5	66.4	127				
Naphthalene	1.637	0.50	2.000		81.9	56.8	120				
Phenanthrene	2.067	0.050	2.000		103	70.9	120				
Pyrene	2.200	0.050	2.000		110	68.4	138				
Surr: 4-Terphenyl-d14	2.622	0	2.000		131	59.9	128				S

Sample ID: **1809C98-031BMS** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479587**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.678	0.50	2.000		83.9	60.2	120				
2-Methylnaphthalene	1.617	0.50	2.000		80.9	57.8	120				
Acenaphthene	1.698	0.50	2.000		84.9	61.4	120				
Acenaphthylene	1.658	1.0	2.000		82.9	63.9	120				
Anthracene	1.876	0.050	2.000		93.8	65.3	120				
Benz(a)anthracene	1.972	0.050	2.000		98.6	76.7	124				
Benzo(a)pyrene	1.617	0.050	2.000		80.9	58.5	120				
Benzo(b)fluoranthene	1.487	0.10	2.000		74.3	52.6	121				

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267230

Sample ID: **1809C98-031BMS** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479587**

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	1.083	0.10	2.000		54.1	44.2	120				
Benzo(k)fluoranthene	1.790	0.050	2.000		89.5	59	120				
Chrysene	2.011	0.050	2.000		101	65	122				
Dibenz(a,h)anthracene	0.8474	0.10	2.000		42.4	38.2	120				
Fluoranthene	2.030	0.10	2.000		102	71.7	118				
Fluorene	1.759	0.10	2.000		87.9	65.6	120				
Indeno(1,2,3-cd)pyrene	1.168	0.050	2.000		58.4	46.6	120				
Naphthalene	1.532	0.50	2.000		76.6	57.3	120				
Phenanthrene	1.880	0.050	2.000		94.0	65.6	120				
Pyrene	2.009	0.050	2.000		100	69	121				
Surr: 4-Terphenyl-d14	2.139	0	2.000		107	59.9	128				

Sample ID: **1809C98-031BMSD** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479588**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.602	0.50	2.000		80.1	60.2	120	1.678	4.59	24.9	
2-Methylnaphthalene	1.540	0.50	2.000		77.0	57.8	120	1.617	4.92	26.4	
Acenaphthene	1.599	0.50	2.000		80.0	61.4	120	1.698	5.96	24.4	
Acenaphthylene	1.583	1.0	2.000		79.1	63.9	120	1.658	4.62	27.9	
Anthracene	1.754	0.050	2.000		87.7	65.3	120	1.876	6.75	26.3	
Benz(a)anthracene	1.846	0.050	2.000		92.3	76.7	124	1.972	6.57	25	
Benzo(a)pyrene	1.295	0.050	2.000		64.8	58.5	120	1.617	22.1	23.5	
Benzo(b)fluoranthene	1.420	0.10	2.000		71.0	52.6	121	1.487	4.58	24	
Benzo(g,h,i)perylene	0.9811	0.10	2.000		49.1	44.2	120	1.083	9.85	32.1	
Benzo(k)fluoranthene	1.792	0.050	2.000		89.6	59	120	1.790	0.077	19.6	
Chrysene	1.970	0.050	2.000		98.5	65	122	2.011	2.06	23	
Dibenz(a,h)anthracene	0.8896	0.10	2.000		44.5	38.2	120	0.8474	4.86	31.7	

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267230**

Sample ID: **1809C98-031BMSD** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/17/2018** Run No: **380225**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267230** Analysis Date: **09/18/2018** Seq No: **8479588**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	1.960	0.10	2.000		98.0	71.7	118	2.030	3.52	23	
Fluorene	1.682	0.10	2.000		84.1	65.6	120	1.759	4.47	25	
Indeno(1,2,3-cd)pyrene	1.170	0.050	2.000		58.5	46.6	120	1.168	0.164	32.4	
Naphthalene	1.482	0.50	2.000		74.1	57.3	120	1.532	3.31	27.2	
Phenanthrene	1.842	0.050	2.000		92.1	65.6	120	1.880	2.08	23.5	
Pyrene	1.926	0.050	2.000		96.3	69	121	2.009	4.24	23.8	
Surr: 4-Terphenyl-d14	2.212	0	2.000		111	59.9	128	2.139	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267231**

Sample ID: **MB-267231** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380365**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/19/2018** Seq No: **8478389**

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	2.529	0	2.000		126	59.9	128				

Sample ID: **LCS-267231** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380731**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/24/2018** Seq No: **8485971**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	1.859	0.50	2.000		92.9	60.4	120				
2-Methylnaphthalene	1.802	0.50	2.000		90.1	58.4	120				
Acenaphthene	1.785	0.50	2.000		89.3	64.7	120				
Acenaphthylene	1.739	1.0	2.000		87.0	63.2	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267231

Sample ID: **LCS-267231** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380731**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/24/2018** Seq No: **8485971**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	1.931	0.050	2.000		96.6	69.3	125				
Benz(a)anthracene	2.163	0.050	2.000		108	71.1	141				
Benzo(a)pyrene	1.842	0.050	2.000		92.1	67.2	131				
Benzo(b)fluoranthene	1.440	0.10	2.000		72.0	66.1	134				
Benzo(g,h,i)perylene	1.606	0.10	2.000		80.3	66.1	128				
Benzo(k)fluoranthene	1.829	0.050	2.000		91.5	67.7	133				
Chrysene	2.017	0.050	2.000		101	71.3	137				
Dibenz(a,h)anthracene	1.431	0.10	2.000		71.5	59.7	125				
Fluoranthene	2.162	0.10	2.000		108	72.3	129				
Fluorene	1.817	0.10	2.000		90.8	69.2	120				
Indeno(1,2,3-cd)pyrene	1.611	0.050	2.000		80.6	66.4	127				
Naphthalene	1.720	0.50	2.000		86.0	56.8	120				
Phenanthrene	1.871	0.050	2.000		93.6	70.9	120				
Pyrene	1.951	0.050	2.000		97.6	68.4	138				
Surr: 4-Terphenyl-d14	2.317	0	2.000		116	59.9	128				

Sample ID: **1809C98-045BMS** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380558**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/20/2018** Seq No: **8481525**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	7.046	0.50	2.000	5.051	99.8	57.8	120				
Acenaphthylene	2.709	1.0	2.000	1.284	71.2	63.9	120				
Anthracene	2.411	0.050	2.000	0.4144	99.8	65.3	120				
Benz(a)anthracene	2.064	0.050	2.000	0.01990	102	76.7	124				
Benzo(a)pyrene	1.344	0.050	2.000		67.2	58.5	120				
Benzo(b)fluoranthene	1.334	0.10	2.000		66.7	52.6	121				
Benzo(g,h,i)perylene	0.9441	0.10	2.000		47.2	44.2	120				
Benzo(k)fluoranthene	1.196	0.050	2.000		59.8	59	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267231

Sample ID: **1809C98-045BMS** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380558**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/20/2018** Seq No: **8481525**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	1.663	0.050	2.000		83.1	65	122				
Dibenz(a,h)anthracene	0.8881	0.10	2.000		44.4	38.2	120				
Fluoranthene	5.639	0.10	2.000	3.711	96.4	71.7	118				
Indeno(1,2,3-cd)pyrene	0.9962	0.050	2.000		49.8	46.6	120				
Pyrene	2.645	0.050	2.000	0.7199	96.2	69	121				
Surr: 4-Terphenyl-d14	1.727	0	2.000		86.4	59.9	128				

Sample ID: **1809C98-045BMS** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380642**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/21/2018** Seq No: **8484185**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	107.1	50	2.000	100.3	344	60.2	120				S
Acenaphthene	51.56	50	2.000	44.46	355	61.4	120				S
Fluorene	46.38	10	2.000	41.19	260	65.6	120				S
Phenanthrene	64.43	5.0	2.000	58.74	284	65.6	120				S

Sample ID: **1809C98-045BMSD** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380558**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/20/2018** Seq No: **8481526**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
2-Methylnaphthalene	6.766	0.50	2.000	5.051	85.8	57.8	120	7.046	4.06	26.4	
Acenaphthylene	2.676	1.0	2.000	1.284	69.6	63.9	120	2.709	1.24	27.9	
Anthracene	2.358	0.050	2.000	0.4144	97.2	65.3	120	2.411	2.22	26.3	
Benz(a)anthracene	1.982	0.050	2.000	0.01990	98.1	76.7	124	2.064	4.04	25	
Benzo(a)pyrene	1.242	0.050	2.000		62.1	58.5	120	1.344	7.88	23.5	
Benzo(b)fluoranthene	1.218	0.10	2.000		60.9	52.6	121	1.334	9.07	24	
Benzo(g,h,i)perylene	0.7534	0.10	2.000		37.7	44.2	120	0.9441	22.5	32.1	S
Benzo(k)fluoranthene	1.114	0.050	2.000		55.7	59	120	1.196	7.10	19.6	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267231

Sample ID: **1809C98-045BMSD** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380558**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/20/2018** Seq No: **8481526**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chrysene	1.590	0.050	2.000		79.5	65	122	1.663	4.49	23	
Dibenz(a,h)anthracene	0.6665	0.10	2.000		33.3	38.2	120	0.8881	28.5	31.7	S
Fluoranthene	5.470	0.10	2.000	3.711	88.0	71.7	118	5.639	3.03	23	
Indeno(1,2,3-cd)pyrene	0.8123	0.050	2.000		40.6	46.6	120	0.9962	20.3	32.4	S
Pyrene	2.595	0.050	2.000	0.7199	93.8	69	121	2.645	1.89	23.8	
Surr: 4-Terphenyl-d14	1.647	0	2.000		82.3	59.9	128	1.727	0	0	

Sample ID: **1809C98-045BMSD** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/18/2018** Run No: **380642**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267231** Analysis Date: **09/21/2018** Seq No: **8484186**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	93.37	50	2.000	100.3	-345	60.2	120	107.1	13.7	24.9	S
Acenaphthene	BRL	50	2.000	44.46	-58.4	61.4	120	51.56	0	24.4	S
Fluorene	40.21	10	2.000	41.19	-48.8	65.6	120	46.38	14.2	25	S
Phenanthrene	56.72	5.0	2.000	58.74	-101	65.6	120	64.43	12.7	23.5	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **MB-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MBLK** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477655**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10									
2-Methylnaphthalene	BRL	10									
Acenaphthene	BRL	10									
Acenaphthylene	BRL	10									
Anthracene	BRL	10									
Benz(a)anthracene	BRL	0.050									
Benzo(a)pyrene	BRL	0.050									
Benzo(b)fluoranthene	BRL	0.10									
Benzo(g,h,i)perylene	BRL	10									
Benzo(k)fluoranthene	BRL	10									
Chrysene	BRL	0.050									
Dibenz(a,h)anthracene	BRL	0.10									
Fluoranthene	BRL	10									
Fluorene	BRL	10									
Indeno(1,2,3-cd)pyrene	BRL	0.050									
Naphthalene	BRL	10									
Phenanthrene	BRL	10									
Pyrene	BRL	10									
Surr: 4-Terphenyl-d14	1.842	0	2.000		92.1	59.9	128				

Sample ID: **LCS-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477740**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000		86.1	60.4	120				
2-Methylnaphthalene	BRL	10	2.000		84.6	58.4	120				
Acenaphthene	BRL	10	2.000	0.08051	79.9	64.7	120				
Acenaphthylene	BRL	10	2.000		79.1	63.2	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **LCS-267232** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **LCS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8477740**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Anthracene	BRL	10	2.000		85.9	69.3	125				
Benz(a)anthracene	1.892	0.050	2.000		94.6	71.1	141				
Benzo(a)pyrene	1.832	0.050	2.000		91.6	67.2	131				
Benzo(b)fluoranthene	1.770	0.10	2.000		88.5	66.1	134				
Benzo(g,h,i)perylene	BRL	10	2.000		86.8	66.1	128				
Benzo(k)fluoranthene	BRL	10	2.000		90.9	67.7	133				
Chrysene	1.747	0.050	2.000		87.3	71.3	137				
Dibenz(a,h)anthracene	1.771	0.10	2.000		88.5	59.7	125				
Fluoranthene	BRL	10	2.000	0.01646	93.2	72.3	129				
Fluorene	BRL	10	2.000	0.02956	87.9	69.2	120				
Indeno(1,2,3-cd)pyrene	1.782	0.050	2.000		89.1	66.4	127				
Naphthalene	BRL	10	2.000	0.03289	92.2	56.8	120				
Phenanthrene	BRL	10	2.000	0.1946	79.4	70.9	120				
Pyrene	BRL	10	2.000		88.6	68.4	138				
Surr: 4-Terphenyl-d14	2.012	0	2.000		101	59.9	128				

Sample ID: **1809C90-001AMS** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478173**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000	0.06085	77.1	60.2	120				
2-Methylnaphthalene	BRL	10	2.000	0.01462	77.1	57.8	120				
Acenaphthene	BRL	10	2.000	0.1921	75.0	61.4	120				
Acenaphthylene	BRL	10	2.000		81.4	63.9	120				
Anthracene	BRL	10	2.000		85.3	65.3	120				
Benz(a)anthracene	1.713	0.050	2.000		85.7	76.7	124				
Benzo(a)pyrene	1.366	0.050	2.000		68.3	58.5	120				
Benzo(b)fluoranthene	1.373	0.10	2.000	0.03305	67.0	52.6	121				

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267232

Sample ID: **1809C90-001AMS** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MS** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478173**

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	BRL	10	2.000	0.01964	64.8	44.2	120				
Benzo(k)fluoranthene	BRL	10	2.000		64.8	59	120				
Chrysene	1.460	0.050	2.000	0.03201	71.4	65	122				
Dibenz(a,h)anthracene	1.329	0.10	2.000		66.4	38.2	120				
Fluoranthene	BRL	10	2.000	0.09911	88.1	71.7	118				
Fluorene	BRL	10	2.000	0.08736	82.0	65.6	120				
Indeno(1,2,3-cd)pyrene	1.340	0.050	2.000	0.01677	66.1	46.6	120				
Naphthalene	BRL	10	2.000	0.1866	69.7	57.3	120				
Phenanthrene	BRL	10	2.000	0.07483	84.4	65.6	120				
Pyrene	BRL	10	2.000	0.05357	83.1	69	121				
Surr: 4-Terphenyl-d14	3.070	0	4.000		76.7	59.9	128				

Sample ID: **1809C90-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1-Methylnaphthalene	BRL	10	2.000	0.06085	81.1	60.2	120	1.604	0	24.9	
2-Methylnaphthalene	BRL	10	2.000	0.01462	81.3	57.8	120	1.557	0	26.4	
Acenaphthene	BRL	10	2.000	0.1921	78.8	61.4	120	1.692	0	24.4	
Acenaphthylene	BRL	10	2.000		84.6	63.9	120	1.628	0	27.9	
Anthracene	BRL	10	2.000		86.3	65.3	120	1.707	0	26.3	
Benz(a)anthracene	1.713	0.050	2.000		85.7	76.7	124	1.713	0.026	25	
Benzo(a)pyrene	1.350	0.050	2.000		67.5	58.5	120	1.366	1.19	23.5	
Benzo(b)fluoranthene	1.347	0.10	2.000	0.03305	65.7	52.6	121	1.373	1.94	24	
Benzo(g,h,i)perylene	BRL	10	2.000	0.01964	63.7	44.2	120	1.315	0	32.1	
Benzo(k)fluoranthene	BRL	10	2.000		65.0	59	120	1.297	0	19.6	
Chrysene	1.476	0.050	2.000	0.03201	72.2	65	122	1.460	1.09	23	
Dibenz(a,h)anthracene	1.323	0.10	2.000		66.2	38.2	120	1.329	0.411	31.7	

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267232**

Sample ID: **1809C90-001AMSD** Client ID: Units: **ug/L** Prep Date: **09/18/2018** Run No: **380412**
SampleType: **MSD** TestCode: **SIM Polynuclear Aromatic Hydrocarbons SW8270D** BatchID: **267232** Analysis Date: **09/19/2018** Seq No: **8478174**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Fluoranthene	BRL	10	2.000	0.09911	87.7	71.7	118	1.861	0	23	
Fluorene	BRL	10	2.000	0.08736	84.1	65.6	120	1.728	0	25	
Indeno(1,2,3-cd)pyrene	1.320	0.050	2.000	0.01677	65.2	46.6	120	1.340	1.48	32.4	
Naphthalene	BRL	10	2.000	0.1866	74.4	57.3	120	1.580	0	27.2	
Phenanthrene	BRL	10	2.000	0.07483	82.7	65.6	120	1.763	0	23.5	
Pyrene	BRL	10	2.000	0.05357	83.6	69	121	1.715	0	23.8	
Surr: 4-Terphenyl-d14	1.748	0	2.000		87.4	59.9	128	3.070	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267341**

Sample ID: **MB-267341** Client ID: Units: **mg/L** Prep Date: **09/19/2018** Run No: **380447**
SampleType: **MBLK** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **267341** Analysis Date: **09/19/2018** Seq No: **8478767**

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-267341** Client ID: Units: **mg/L** Prep Date: **09/19/2018** Run No: **380447**
SampleType: **LCS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **267341** Analysis Date: **09/19/2018** Seq No: **8478768**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.008	0.0500	1.000		101	80	120				
Barium	1.025	0.0200	1.000		103	80	120				
Cadmium	1.009	0.0050	1.000		101	80	120				
Chromium	0.9889	0.0100	1.000		98.9	80	120				
Lead	1.023	0.0100	1.000		102	80	120				
Selenium	1.013	0.0200	1.000		101	80	120				
Silver	0.1004	0.0100	0.1000		100	80	120				

Sample ID: **1809C98-010CMS** Client ID: **GW-33I** Units: **mg/L** Prep Date: **09/19/2018** Run No: **380447**
SampleType: **MS** TestCode: **METALS, TOTAL** **SW6010D** BatchID: **267341** Analysis Date: **09/19/2018** Seq No: **8478770**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.002	0.0500	1.000		100	75	125				
Barium	1.073	0.0200	1.000	0.05939	101	75	125				
Cadmium	0.9983	0.0050	1.000		99.8	75	125				
Chromium	0.9876	0.0100	1.000	0.01402	97.4	75	125				

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267341**

Sample ID: **1809C98-010CMS** Client ID: **GW-33I** Units: **mg/L** Prep Date: **09/19/2018** Run No: **380447**
SampleType: **MS** TestCode: **METALS, TOTAL SW6010D** BatchID: **267341** Analysis Date: **09/19/2018** Seq No: **8478770**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Lead	1.012	0.0100	1.000		101	75	125				
Selenium	1.005	0.0200	1.000		101	75	125				
Silver	0.09955	0.0100	0.1000		99.6	75	125				

Sample ID: **1809C98-010CMSD** Client ID: **GW-33I** Units: **mg/L** Prep Date: **09/19/2018** Run No: **380447**
SampleType: **MSD** TestCode: **METALS, TOTAL SW6010D** BatchID: **267341** Analysis Date: **09/19/2018** Seq No: **8478771**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Arsenic	1.023	0.0500	1.000		102	75	125	1.002	2.08	20	
Barium	1.096	0.0200	1.000	0.05939	104	75	125	1.073	2.10	20	
Cadmium	1.019	0.0050	1.000		102	75	125	0.9983	2.03	20	
Chromium	1.021	0.0100	1.000	0.01402	101	75	125	0.9876	3.30	20	
Lead	1.034	0.0100	1.000		103	75	125	1.012	2.15	20	
Selenium	1.029	0.0200	1.000		103	75	125	1.005	2.32	20	
Silver	0.1021	0.0100	0.1000		102	75	125	0.09955	2.50	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267414

Sample ID: **MB-267414** Client ID: Units: **mg/L** Prep Date: **09/20/2018** Run No: **380517**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **267414** Analysis Date: **09/20/2018** Seq No: **8480676**

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-267414** Client ID: Units: **mg/L** Prep Date: **09/20/2018** Run No: **380517**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **267414** Analysis Date: **09/20/2018** Seq No: **8480677**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.005199	0.00020	0.0050		104	80	120				

Sample ID: **1809C98-010CMS** Client ID: **GW-33I** Units: **mg/L** Prep Date: **09/20/2018** Run No: **380517**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **267414** Analysis Date: **09/20/2018** Seq No: **8480679**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004930	0.00020	0.0050		98.6	75	125				

Sample ID: **1809C98-010CMSD** Client ID: **GW-33I** Units: **mg/L** Prep Date: **09/20/2018** Run No: **380517**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **267414** Analysis Date: **09/20/2018** Seq No: **8480680**

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	75	125	0.004930	2.13	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267450**

Sample ID: **MB-267450** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380483**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267450** Analysis Date: **09/20/2018** Seq No: **8479437**

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	43.48	0	50.00		87.0	68	127				

Sample ID: **LCS-267450** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380483**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267450** Analysis Date: **09/20/2018** Seq No: **8479436**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	49.54	1.0	50.00		99.1	73.7	126				
Ethylbenzene	48.14	1.0	50.00		96.3	80.1	125				
m,p-Xylene	94.62	1.0	100.0		94.6	80.5	126				
o-Xylene	45.16	1.0	50.00		90.3	79.9	127				
Toluene	48.20	1.0	50.00		96.4	76.8	125				
Surr: 4-Bromofluorobenzene	45.83	0	50.00		91.7	68	127				

Sample ID: **1809C98-031AMS** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380483**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267450** Analysis Date: **09/20/2018** Seq No: **8479439**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	51.76	1.0	50.00		104	66.1	137				
Ethylbenzene	50.03	1.0	50.00		100	74	134				
m,p-Xylene	100.4	1.0	100.0		100	73.8	136				
o-Xylene	47.20	1.0	50.00		94.4	71.6	135				
Toluene	50.16	1.0	50.00		100	63.8	141				
Surr: 4-Bromofluorobenzene	45.14	0	50.00		90.3	68	127				

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267450**

Sample ID: **1809C98-031AMSD** Client ID: **GW-28D** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380483**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267450** Analysis Date: **09/20/2018** Seq No: **8479440**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	51.56	1.0	50.00		103	66.1	137	51.76	0.387	20	
Ethylbenzene	50.00	1.0	50.00		100	74	134	50.03	0.060	20	
m,p-Xylene	99.63	1.0	100.0		99.6	73.8	136	100.4	0.790	20	
o-Xylene	47.76	1.0	50.00		95.5	71.6	135	47.20	1.18	20	
Toluene	51.11	1.0	50.00		102	63.8	141	50.16	1.88	20	
Surr: 4-Bromofluorobenzene	45.64	0	50.00		91.3	68	127	45.14	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267477**

Sample ID: **MB-267477** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481597**

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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267477

Sample ID: **MB-267477** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **MBLK** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481597**

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	50.01	0	50.00		100	68	127				
Surr: Dibromofluoromethane	53.58	0	50.00		107	84.4	122				
Surr: Toluene-d8	50.68	0	50.00		101	80.1	116				

Qualifiers:

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267477

Sample ID: **LCS-267477** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **LCS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481596**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	22.97	5.0	20.00		115	69	136				
Benzene	22.13	5.0	20.00		111	73.7	126				
Chlorobenzene	22.01	5.0	20.00		110	73.5	124				
Toluene	22.13	5.0	20.00		111	76.8	125				
Trichloroethene	21.39	5.0	20.00		107	70.9	124				
Surr: 4-Bromofluorobenzene	49.82	0	50.00		99.6	68	127				
Surr: Dibromofluoromethane	53.60	0	50.00		107	84.4	122				
Surr: Toluene-d8	50.16	0	50.00		100	80.1	116				

Sample ID: **1809C98-036AMS** Client ID: **GW-01I** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **MS** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481563**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.76	5.0	50.00		108	65.7	143				
Benzene	54.48	5.0	50.00		109	66.1	137				
Chlorobenzene	58.59	5.0	50.00		117	70.9	132				
Toluene	55.22	5.0	50.00		110	63.8	141				
Trichloroethene	53.54	5.0	50.00		107	70.6	128				
Surr: 4-Bromofluorobenzene	48.45	0	50.00		96.9	68	127				
Surr: Dibromofluoromethane	49.87	0	50.00		99.7	84.4	122				
Surr: Toluene-d8	49.07	0	50.00		98.1	80.1	116				

Sample ID: **1809C98-036AMSD** Client ID: **GW-01I** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1-Dichloroethene	53.05	5.0	50.00		106	65.7	143	53.76	1.33	17.7	
Benzene	53.40	5.0	50.00		107	66.1	137	54.48	2.00	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267477

Sample ID: **1809C98-036AMSD** Client ID: **GW-01I** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380502**
SampleType: **MSD** TestCode: **TCL VOLATILE ORGANICS SW8260B** BatchID: **267477** Analysis Date: **09/20/2018** Seq No: **8481564**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	57.35	5.0	50.00		115	70.9	132	58.59	2.14	20	
Toluene	54.11	5.0	50.00		108	63.8	141	55.22	2.03	20	
Trichloroethene	52.20	5.0	50.00		104	70.6	128	53.54	2.53	20	
Surr: 4-Bromofluorobenzene	49.37	0	50.00		98.7	68	127	48.45	0	0	
Surr: Dibromofluoromethane	51.73	0	50.00		103	84.4	122	49.87	0	0	
Surr: Toluene-d8	48.44	0	50.00		96.9	80.1	116	49.07	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267496

Sample ID: **MB-267496** Client ID: Units: **mg/L** Prep Date: **09/21/2018** Run No: **380571**
SampleType: **MBLK** TestCode: **Mercury, Total SW7470A** BatchID: **267496** Analysis Date: **09/21/2018** Seq No: **8483018**

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-267496** Client ID: Units: **mg/L** Prep Date: **09/21/2018** Run No: **380571**
SampleType: **LCS** TestCode: **Mercury, Total SW7470A** BatchID: **267496** Analysis Date: **09/21/2018** Seq No: **8483019**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004665	0.00020	0.0050		93.3	80	120				

Sample ID: **1809A47-005CMS** Client ID: Units: **mg/L** Prep Date: **09/21/2018** Run No: **380571**
SampleType: **MS** TestCode: **Mercury, Total SW7470A** BatchID: **267496** Analysis Date: **09/21/2018** Seq No: **8483024**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004818	0.00020	0.0050		96.4	75	125				

Sample ID: **1809A47-005CMSD** Client ID: Units: **mg/L** Prep Date: **09/21/2018** Run No: **380571**
SampleType: **MSD** TestCode: **Mercury, Total SW7470A** BatchID: **267496** Analysis Date: **09/21/2018** Seq No: **8483025**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Mercury	0.004938	0.00020	0.0050		98.8	75	125	0.004818	2.45	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: 267499

Sample ID: **MB-267499** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380541**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267499** Analysis Date: **09/20/2018** Seq No: **8481199**

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	43.05	0	50.00		86.1	68	127				

Sample ID: **LCS-267499** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380541**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267499** Analysis Date: **09/20/2018** Seq No: **8481198**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	53.98	1.0	50.00		108	73.7	126				
Ethylbenzene	52.56	1.0	50.00		105	80.1	125				
m,p-Xylene	102.8	1.0	100.0		103	80.5	126				
o-Xylene	50.71	1.0	50.00		101	79.9	127				
Toluene	52.97	1.0	50.00		106	76.8	125				
Surr: 4-Bromofluorobenzene	45.87	0	50.00		91.7	68	127				

Sample ID: **1809C98-055AMS** Client ID: **GW-27S** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380541**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267499** Analysis Date: **09/21/2018** Seq No: **8481218**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	51.20	1.0	50.00		102	66.1	137				
Ethylbenzene	49.57	1.0	50.00		99.1	74	134				
m,p-Xylene	100.4	1.0	100.0		100	73.8	136				
o-Xylene	48.47	1.0	50.00		96.9	71.6	135				
Toluene	49.90	1.0	50.00		99.8	63.8	141				
Surr: 4-Bromofluorobenzene	44.53	0	50.00		89.1	68	127				

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267499**

Sample ID: **1809C98-055AMSD** Client ID: **GW-27S** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380541**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267499** Analysis Date: **09/21/2018** Seq No: **8481219**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	49.94	1.0	50.00		99.9	66.1	137	51.20	2.49	20	
Ethylbenzene	48.64	1.0	50.00		97.3	74	134	49.57	1.89	20	
m,p-Xylene	97.96	1.0	100.0		98.0	73.8	136	100.4	2.44	20	
o-Xylene	46.98	1.0	50.00		94.0	71.6	135	48.47	3.12	20	
Toluene	48.85	1.0	50.00		97.7	63.8	141	49.90	2.13	20	
Surr: 4-Bromofluorobenzene	45.58	0	50.00		91.2	68	127	44.53	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: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267545**

Sample ID: **MB-267545** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380626**
SampleType: **MBLK** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267545** Analysis Date: **09/21/2018** Seq No: **8484980**

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	45.28	0	50.00		90.6	68	127				

Sample ID: **LCS-267545** Client ID: Units: **ug/L** Prep Date: **09/20/2018** Run No: **380626**
SampleType: **LCS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267545** Analysis Date: **09/21/2018** Seq No: **8484979**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	52.60	1.0	50.00		105	73.7	126				
Ethylbenzene	50.84	1.0	50.00		102	80.1	125				
m,p-Xylene	102.9	1.0	100.0		103	80.5	126				
o-Xylene	47.07	1.0	50.00		94.1	79.9	127				
Toluene	53.80	1.0	50.00		108	76.8	125				
Surr: 4-Bromofluorobenzene	51.03	0	50.00		102	68	127				

Sample ID: **1809C98-045AMS** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380626**
SampleType: **MS** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267545** Analysis Date: **09/21/2018** Seq No: **8484995**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	54.62	1.0	50.00	2.840	104	66.1	137				
Ethylbenzene	55.66	1.0	50.00	3.660	104	74	134				
m,p-Xylene	101.5	1.0	100.0	0.4200	101	73.8	136				
o-Xylene	49.72	1.0	50.00	1.100	97.2	71.6	135				
Toluene	53.69	1.0	50.00	1.220	105	63.8	141				
Surr: 4-Bromofluorobenzene	52.92	0	50.00		106	68	127				

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

Client: AECOM
Project Name: GDOT - Walker Street
Workorder: 1809C98

ANALYTICAL QC SUMMARY REPORT

BatchID: **267545**

Sample ID: **1809C98-045AMSD** Client ID: **GW-31I** Units: **ug/L** Prep Date: **09/20/2018** Run No: **380626**
SampleType: **MSD** TestCode: **VOLATILE ORGANICS SW8260B** BatchID: **267545** Analysis Date: **09/21/2018** Seq No: **8485000**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Benzene	49.37	1.0	50.00	2.840	93.1	66.1	137	54.62	10.1	20	
Ethylbenzene	46.15	1.0	50.00	3.660	85.0	74	134	55.66	18.7	20	
m,p-Xylene	86.48	1.0	100.0	0.4200	86.1	73.8	136	101.5	15.9	20	
o-Xylene	42.00	1.0	50.00	1.100	81.8	71.6	135	49.72	16.8	20	
Toluene	47.57	1.0	50.00	1.220	92.7	63.8	141	53.69	12.1	20	
Surr: 4-Bromofluorobenzene	52.67	0	50.00		105	68	127	52.92	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
Technical Memorandum:
HSRA Risk Reduction Standards Update

AECOM
4051 Ogletown-Stanton Rd
Suite 300
Newark, DE 19713
aecom.com

Project name:
GA DOT Walker St

Project ref:
60440866

To:
J.P. Vigil, AECOM

CC:
Felix Nchako, AECOM

From:
Dana McCue
AECOM Principal Risk Assessor

Date:
January 23, 2019

Memo

Subject: HSRA Risk Reduction Standards Update
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

AECOM, on behalf of the Georgia Department of Transportation (GADOT), has prepared this memorandum for the Former GADOT Maintenance Facility located on Walker Street in Douglas, Georgia (the subject site). The purpose of this memorandum is to document calculations conducted to derive Risk Reduction Standards (RRS) for the subject site in accordance with modifications made to Rule 391-3-19 (Rules for Hazardous Site Response), effective September 25, 2018.

Groundwater risk reduction standard (RRS) values were calculated for each regulated substance identified in the attached Table 1. RRS values were compiled for residential (Type 1 and Type 2) and non-residential (Type 3 and Type 4) land uses. As indicated in Table 1 and consistent with Appendix III Table 3 of the Rule, surrogate compounds were identified for regulated substances without toxicity values. Where toxicity values were not available, the detection limit was indicated as the RRS value, since background values have not been established for the subject site. Consistent with Rule 391-3-19-.07 (4) (e), if the detection limit for a regulated substance is greater than the concentration specified in any RRS, then the detection limit shall be used for determining compliance with the applicable RRS.

For the Type 1 RRS, Rule 391-3-19-.07 (6) (b) states that at any point within groundwater that has been affected by a release, concentrations of regulated substances in groundwater samples shall not exceed concentrations given in Table 1 of Appendix III or, for those substances not listed, the background or detection limit concentration. Table 1 details default Type 1 RRS groundwater values as provided in EPD's spreadsheet available on-line at https://epd.georgia.gov/comparison-existing-contamination-risk-reduction-standards-391-3-19-07#type1

Consistent with Rule 391-3-19-.07 (7) (b), the Type 2 RRS is the lesser of values determined for the residential use scenario using Equation 1 (cancer effects) or Equation 2 (non-cancer risk effects) from RAGS, Part B for ingestion, as modified using RAGS, Part E for dermal contact, and RAGS, Part F for inhalation exposures. EPA's Regional Screening Level calculator was used to calculate the Type 2 RRS values using residential exposure assumptions provided in Table 3 of Appendix III of the Rule, a target carcinogenic risk of one in one hundred thousand ($1x10^{-5}$) and a hazard quotient of 1 for the direct contact values. RSL calculator inputs and outputs are provided in Attachment A. Table 2 provides a summary of the Type 2 RRS values and their basis (cancer or non-cancer). Calculated values lower than the detection limit are indicated.

For the Type 3 RRS, Rule 391-3-19.07 (8) (c) states that at any point within groundwater that has been affected by a release, concentrations of regulated substances in groundwater shall not exceed the maximum contaminant limit (MCL) or, for those substances not listed, the lesser of concentrations calculated in accordance with Rule 391-3-19-.07 (2) using standard non-residential exposure assumptions in Table 3 of Appendix III. Table 1 details the default Type 3 RRS groundwater values as provided in EPD's spreadsheet. As indicated in the table, values not provided on EPD's spreadsheet were calculated in accordance with Rule 391-3-19-.07 (2) using standard non-residential exposure assumptions in Table 3 of Appendix III and EPA's Regional Screening Level calculator. RSL calculator inputs and outputs are provided in Attachment A.

Consistent with Rule 391-3-19-.07 (9) (c), the Type 4 RRS is the lesser of values determined for the non-residential use scenario using Equation 1 (cancer effects) or Equation 2 (non-cancer risk effects) from RAGS, Part B for ingestion, as modified using RAGS, Part E for dermal contact, and RAGS, Part F for inhalation exposures. EPA's Regional Screening Level calculator was used to calculate the Type 4 RRS values using non-residential exposure assumptions provided in Table 3 of Appendix III of the Rule, a target carcinogenic risk of $1x10^{-5}$ and a hazard quotient of 1 for the direct contact values. RSL calculator inputs and outputs are provided in Attachment A. Table 3 provides a summary of the Type 4 RRS values and their basis (cancer or non-cancer). Calculated values lower than the detection limit are indicated.

Tables

Table 1
Summary of Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Residential		Non-Residential		Notes
		Type 1 RRS GW (mg/L)	Type 2 RRS GW (mg/L)	Type 3 RRS GW (mg/L)	Type 4 RRS GW (mg/L)	
Volatile Organic Compounds						
1,2-Dichloroethane	107-06-2	**5.00E-03**	1.70E-03	5.00E-03	**7.40E-03**	
Acetone	67-64-1	**1.40E+01**	1.40E+01	**7.60E+01**	7.60E+01	
Benzene	71-43-2	**5.00E-03**	4.60E-03	5.00E-03	**2.00E-02**	
Ethylbenzene	100-41-4	**7.00E-01**	1.50E-02	**7.00E-01**	7.00E-02	
Isopropylbenzene	98-82-8	**4.50E-01**	4.50E-01	**2.40E+00**	2.40E+00	
Xylenes	1330-20-7	**1.00E+01**	1.90E-01	**1.00E+01**	8.40E-01	Sum of individual isomers compared to RRS for xylenes (total)
Styrene	100-42-5	1.00E-01	**1.20E+00**	1.00E-01	**6.10E+00**	
Toluene	108-88-3	1.00E+00	**1.10E+00**	1.00E+00	**7.00E+00**	
Semivolatile Organic Compounds						
1,1'-Biphenyl	92-52-4	**DL (1.00E-02)**	8.30E-04	**DL (1.00E-02)**	3.50E-03	(a) (b)
1-Methylnaphthalene	90-12-0	DL (1.00E-02)	**1.10E-02**	**7.30E-02**	7.30E-02	(a)
2,4-Dimethylphenol	105-67-9	**3.60E-01**	3.60E-01	**2.20E+00**	2.20E+00	
2,4-Dinitrotoluene	121-14-2	**2.40E-03**	2.40E-03	**1.00E-02**	1.00E-02	
2,6-Dinitrotoluene	606-20-2	**5.00E-04**	4.90E-04	**2.10E-03**	2.10E-03	
2-Methylnaphthalene	91-57-6	DL (1.00E-02)	**3.60E-02**	**3.10E-01**	3.10E-01	(a)
2-Methylphenol	95-48-7	DL (1.00E-02)	**9.30E-01**	**5.60E+00**	5.60E+00	(a)
4-Methylphenol	106-44-5	DL (1.00E-02)	**1.90E+00**	**1.10E+01**	1.10E+01	(a)
Acenaphthene	83-32-9	**5.40E-01**	5.40E-01	**4.60E+00**	4.60E+00	
Acenaphthylene	208-96-8	**5.40E-01**	5.40E-01	**4.60E+00**	4.60E+00	Acenaphthene used as a surrogate
Anthracene	120-12-7	DL (1.00E-02)	**1.80E+00**	**1.70E+01**	1.70E+01	
Benzo(a)anthracene	56-55-3	**3.00E-04**	3.00E-04	**3.60E-03**	3.60E-03	
Benzo(a)pyrene	50-32-8	2.00E-04	**2.50E-04**	2.00E-04	**3.30E-03**	
Benzo(b)fluoranthene	205-99-2	**2.50E-03**	2.50E-03	**3.30E-02**	3.30E-02	
Benzo(g,h,i)perylene	191-24-2	**1.20E-01**	1.20E-01	**1.30E+00**	1.30E+00	Pyrene used as a surrogate
Benzo(k)fluoranthene	207-08-9	**2.50E-02**	2.50E-02	**3.30E-01**	3.30E-01	
Bis(2-ethylhexyl)phthalate	117-81-7	6.00E-03	**5.60E-02**	6.00E-03	**2.30E-01**	
Caprolactam	105-60-2	DL (1.00E-02)	**9.90E+00**	**5.80E+01**	5.80E+01	(a)
Carbazole	86-74-8	**DL (1.00E-02)**	DL (1.00E-02)	**DL (1.00E-02)**	DL (1.00E-02)	Not calculable, no toxicity data
Chrysene	218-01-9	**2.50E-01**	2.50E-01	**3.30E+00**	3.30E+00	
Dibenz(a,h)anthracene	53-70-3	**3.00E-04**	2.50E-04	**3.30E-03**	3.30E-03	
Dibenzofuran	132-64-9	**DL (1.00E-02)**	7.90E-03	**7.00E-02**	7.00E-02	(a)
Dimethyl phthalate	131-11-3	**DL (1.00E-02)**	DL (1.00E-02)	**DL (1.00E-02)**	DL (1.00E-02)	Not calculable, no toxicity data
Fluoranthene	206-44-0	**8.00E-01**	8.00E-01	**4.70E+00**	4.70E+00	
Fluorene	86-73-7	**2.90E-01**	2.90E-01	**2.70E+00**	2.70E+00	
Indeno(1,2,3-cd)pyrene	193-39-5	**2.50E-03**	2.50E-03	**3.30E-02**	3.30E-02	

Table 1
Summary of Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Residential		Non-Residential		Notes
		Type 1 RRS GW (mg/L)	Type 2 RRS GW (mg/L)	Type 3 RRS GW (mg/L)	Type 4 RRS GW (mg/L)	
Naphthalene	91-20-3	**6.10E-03**	6.10E-03	**2.60E-02**	2.60E-02	
Phenanthrene	85-01-8	DL (1.00E-02)	**1.80E+00**	**1.70E+01**	1.70E+01	Anthracene used as a surrogate
Pyrene	129-00-0	**1.20E-01**	1.20E-01	**1.30E+00**	1.30E+00	
Inorganics						
Arsenic	7440-38-2	**1.00E-02**	5.20E-04	**1.00E-02**	2.20E-03	
Barium	7440-39-3	2.00E+00	**3.80E+00**	2.00E+00	**2.30E+01**	
Cadmium	7440-43-9	5.00E-03	**9.20E-03**	5.00E-03	**5.60E-02**	
Chromium	7440-47-3	**1.00E-01**	1.00E-01	**1.00E-01**	1.00E-01	Total Chromium
Chromium, Hexavalent	18540-29-9	**DL (1.00E-02)**	3.50E-04	**DL (1.00E-02)**	5.70E-03	(a) (b)
Lead	7439-92-1	**1.50E-02**	1.50E-02	**1.50E-02**	1.50E-02	
Mercury	7439-97-6	**2.00E-03**	6.30E-04	2.00E-03	**2.60E-03**	Elemental Mercury
Selenium	7782-49-2	5.00E-02	**1.00E-01**	5.00E-02	**5.80E-01**	
Silver	7440-22-4	**1.00E-01**	9.40E-02	**5.70E-01**	5.70E-01	

Calculated values rounded to 2 significant figures
DL - Detection limit
5.00E+00 - Bolded values are the selected RRS value (higher of Type 1/2 or Type 3/4)

Source: EPD Type 1 RRS and Type 3 RRS published October 12, 2018

(a) Type 3 RRS not provided on EPD table. Calculated in accordance with Rule 391-3-19-.07(2) using standard non-residential exposure assumptions in Table 3 of Appendix III. Calculations made using EPA's RSL Calculator. (b) Where the calculated value is lower than the DL, then the DL is shown.

Table 2
Summary of Type 2 Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Type 2 RRS GW (mg/L)	Basis	Notes
Volatile Organic Compounds				
1,2-Dichloroethane	107-06-2	1.70E-03	ca	
Acetone	67-64-1	1.40E+01	nc	
Benzene	71-43-2	4.60E-03	ca	
Ethylbenzene	100-41-4	1.50E-02	ca	
Isopropylbenzene	98-82-8	4.50E-01	nc	
Xylenes	1330-20-7	1.90E-01	nc	Sum of individual isomers compared to RRS for xylenes (total)
Styrene	100-42-5	1.20E+00	nc	
Toluene	108-88-3	1.10E+00	nc	
Semivolatile Organic Compounds				
1,1'-Biphenyl	92-52-4	8.30E-04	nc	Calculated RRS value is lower than detection limit
1-Methylnaphthalene	90-12-0	1.10E-02	ca	
2,4-Dimethylphenol	105-67-9	3.60E-01	nc	
2,4-Dinitrotoluene	121-14-2	2.40E-03	ca	Calculated RRS value is lower than detection limit
2,6-Dinitrotoluene	606-20-2	4.90E-04	ca	Calculated RRS value is lower than detection limit
2-Methylnaphthalene	91-57-6	3.60E-02	nc	
2-Methylphenol	95-48-7	9.30E-01	nc	
4-Methylphenol	106-44-5	1.90E+00	nc	
Acenaphthene	83-32-9	5.40E-01	nc	
Acenaphthylene	208-96-8	5.40E-01	nc	Acenaphthene used as a surrogate
Anthracene	120-12-7	1.80E+00	nc	
Benzo(a)anthracene	56-55-3	3.00E-04	ca	
Benzo(a)pyrene	50-32-8	2.50E-04	ca	
Benzo(b)fluoranthene	205-99-2	2.50E-03	ca	
Benzo(g,h,i)perylene	191-24-2	1.20E-01	nc	Pyrene used as a surrogate
Benzo(k)fluoranthene	207-08-9	2.50E-02	ca	
Bis(2-ethylhexyl)phthalate	117-81-7	5.60E-02	ca	
Caprolactam	105-60-2	9.90E+00	nc	

Table 2
Summary of Type 2 Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Type 2 RRS GW (mg/L)	Basis	Notes
Carbazole	86-74-8	NC	--	
Chrysene	218-01-9	2.50E-01	ca	
Dibenz(a,h)anthracene	53-70-3	2.50E-04	ca	
Dibenzofuran	132-64-9	7.90E-03	nc	Calculated RRS value is lower than detection limit
Dimethyl phthalate	131-11-3	NC	--	
Fluoranthene	206-44-0	8.00E-01	nc	
Fluorene	86-73-7	2.90E-01	nc	
Indeno(1,2,3-cd)pyrene	193-39-5	2.50E-03	ca	
Naphthalene	91-20-3	6.10E-03	nc	Per EPD, based on non-cancer endpoint
Phenanthrene	85-01-8	1.80E+00	nc	Anthracene used as a surrogate
Pyrene	129-00-0	1.20E-01	nc	
Inorganics				
Arsenic	7440-38-2	5.20E-04	ca	
Barium	7440-39-3	3.80E+00	nc	
Cadmium	7440-43-9	9.20E-03	nc	
Chromium	7440-47-3	1.00E-01	--	Total Chromium value in 391-3-19 Appendix III, Table 1
Chromium, Hexavalent	18540-29-9	3.50E-04	ca	Calculated RRS value is lower than detection limit
Mercury	7439-97-6	6.30E-04	nc	
Selenium	7782-49-2	1.00E-01	nc	
Silver	7440-22-4	9.40E-02	nc	

Calculated values rounded to 2 significant figures
nc - noncarcinogen
ca - carcinogen
NC - Not calculated, no toxicity data available

Table 3
Summary of Type 4 Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Type 4 RRS GW (mg/L)	Basis	Notes
Volatile Organic Compounds				
1,2-Dichloroethane	107-06-2	7.40E-03	ca	
Acetone	67-64-1	7.60E+01	nc	
Benzene	71-43-2	2.00E-02	ca	
Ethylbenzene	100-41-4	7.00E-02	ca	
Isopropylbenzene	98-82-8	2.40E+00	nc	
Xylenes	1330-20-7	8.40E-01	nc	Sum of individual isomers compared to RRS for xylenes (total)
Styrene	100-42-5	6.10E+00	nc	
Toluene	108-88-3	7.00E+00	nc	
Semivolatile Organic Compounds				
1,1'-Biphenyl	92-52-4	3.50E-03	nc	Calculated value is lower than detection limit
1-Methylnaphthalene	90-12-0	7.30E-02	ca	
2,4-Dimethylphenol	105-67-9	2.20E+00	nc	
2,4-Dinitrotoluene	121-14-2	1.00E-02	ca	
2,6-Dinitrotoluene	606-20-2	2.10E-03	ca	Calculated value is lower than detection limit
2-Methylnaphthalene	91-57-6	3.10E-01	nc	
2-Methylphenol	95-48-7	5.60E+00	nc	
4-Methylphenol	106-44-5	1.10E+01	nc	
Acenaphthene	83-32-9	4.60E+00	nc	
Acenaphthylene	208-96-8	4.60E+00	nc	Acenaphthene used as a surrogate
Anthracene	120-12-7	1.70E+01	nc	
Benzo(a)anthracene	56-55-3	3.60E-03	ca	
Benzo(a)pyrene	50-32-8	3.30E-03	ca	
Benzo(b)fluoranthene	205-99-2	3.30E-02	ca	
Benzo(g,h,i)perylene	191-24-2	1.30E+00	nc	Pyrene used as a surrogate
Benzo(k)fluoranthene	207-08-9	3.30E-01	ca	
Bis(2-ethylhexyl)phthalate	117-81-7	2.30E-01	ca	
Caprolactam	105-60-2	5.80E+01	nc	

Table 3
Summary of Type 4 Groundwater RRS
Walker Street Site, Former GADOT Maintenance Facility
Douglas, Georgia

Analyte	CAS No.	Type 4 RRS GW (mg/L)	Basis	Notes
Carbazole	86-74-8	NC	--	
Chrysene	218-01-9	3.30E+00	ca	
Dibenz(a,h)anthracene	53-70-3	3.30E-03	ca	
Dibenzofuran	132-64-9	7.00E-02	nc	
Dimethyl phthalate	131-11-3	NC	--	
Fluoranthene	206-44-0	4.70E+00	nc	
Fluorene	86-73-7	2.70E+00	nc	
Indeno(1,2,3-cd)pyrene	193-39-5	3.30E-02	ca	
Naphthalene	91-20-3	2.60E-02	nc	Per EPD, based on non-cancer endpoint
Phenanthrene	85-01-8	1.70E+01	nc	Anthracene used as a surrogate
Pyrene	129-00-0	1.30E+00	nc	
Inorganics				
Arsenic	7440-38-2	2.20E-03	ca	
Barium	7440-39-3	2.30E+01	nc	
Cadmium	7440-43-9	5.60E-02	nc	
Chromium	7440-47-3	1.00E-01	--	Total Chromium value in 391-3-19 Appendix III, Table 1
Chromium, Hexavalent	18540-29-9	5.70E-03	ca	Calculated value is lower than detection limit
Mercury	7439-97-6	2.60E-03	nc	
Selenium	7782-49-2	5.80E-01	nc	
Silver	7440-22-4	5.70E-01	nc	

Calculated values rounded to 2 significant figures
nc - noncarcinogen
ca - carcinogen
NC - Not calculated, no toxicity data available

EPA RSL Calculator Inputs and Outputs

Site-specific
Resident Equation Inputs for Tap Water

* Inputted values different from Resident defaults are highlighted.

Variable	Resident Tap Water Default Value	Form-input Value
BW_{0-2} (mutagenic body weight) kg	15	15
BW_{2-6} (mutagenic body weight) kg	15	15
BW_{6-16} (mutagenic body weight) kg	80	80
BW_{16-26} (mutagenic body weight) kg	80	80
BW_{res-a} (body weight - adult) kg	80	80
BW_{res-c} (body weight - child) kg	15	15
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650	2610650
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633	8191633
ED_{res} (exposure duration - resident) years	26	26
ED_{0-2} (mutagenic exposure duration first phase) years	2	2
ED_{2-6} (mutagenic exposure duration second phase) years	4	4
ED_{6-16} (mutagenic exposure duration third phase) years	10	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10	10
ED_{res-a} (exposure duration - adult) years	20	20
ED_{res-c} (exposure duration - child) years	6	6
EF_{res} (exposure frequency) days/year	350	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350	350
EF_{res-a} (exposure frequency - adult) days/year	350	350
EF_{res-c} (exposure frequency - child) days/year	350	350
ET_{res} (exposure time) hours/day	24	24
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077	0.67077
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077	0.67077
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54	0.54
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54	0.54
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71	0.71
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71	0.71

Type 2 RRS Inputs

Variable	Resident Tap Water Default Value	Form-input Value
ET_{res-a} (dermal exposure time - adult) hours/event	0.71	0.71
ET_{res-c} (dermal exposure time - child) hours/event	0.54	0.54
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24	24
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24	24
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24	24
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24	24
ET_{res-a} (inhalation exposure time - adult) hours/day	24	24
ET_{res-c} (inhalation exposure time - child) hours/day	24	24
EV_{0-2} (mutagenic events) per day	1	1
EV_{2-6} (mutagenic events) per day	1	1
EV_{6-16} (mutagenic events) per day	1	1
EV_{16-26} (mutagenic events) per day	1	1
EV_{res-a} (events - adult) per day	1	1
EV_{res-c} (events - child) per day	1	1
THQ (target hazard quotient) unitless	0.1	1
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95	327.95
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9	1019.9
IRW_{0-2} (mutagenic water intake rate) L/day	0.78	0.78
IRW_{2-6} (mutagenic water intake rate) L/day	0.78	0.78
IRW_{6-16} (mutagenic water intake rate) L/day	2.5	2.5
IRW_{16-26} (mutagenic water intake rate) L/day	2.5	2.5
IRW_{res-a} (water intake rate - adult) L/day	2.5	2.5
IRW_{res-c} (water intake rate - child) L/day	0.78	0.78
K (volatilization factor of Andelman) L/m^3	0.5	0.5
LT (lifetime) years	70	70
SA_{0-2} (mutagenic skin surface area) cm^2	6365	6365
SA_{2-6} (mutagenic skin surface area) cm^2	6365	6365
SA_{6-16} (mutagenic skin surface area) cm^2	19652	19652
SA_{16-26} (mutagenic skin surface area) cm^2	19652	19652
SA_{res-a} (skin surface area - adult) cm^2	19652	19652
SA_{res-c} (skin surface area - child) cm^2	6365	6365
l_{sc} (apparent thickness of stratum corneum) cm	0.001	0.001
TR (target risk) unitless	0.000001	0.00001

Output generated 23JAN2019:11:17:33

Type 2 RRS

Site-specific Resident
Regional Screening Levels (RSL) for Tap Water

Chemical	CAS Number	Mutagen?	Volatile?	SF_o $(mg/kg\text{-}day)^{-1}$	SF_o Ref	IUR $(ug/m^3)^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW	B (unitless)	t^* (hr)	τ_{event} (hr/event)
Acetone	67-64-1	No	Yes	-		-		9.00E-01	I	3.09E+01	A	1.00E+00	5.12E-04	5.81E+01	1.50E-03	5.34E-01	2.22E-01
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1.00E+00	1.49E-02	7.81E+01	5.07E-02	6.91E-01	2.88E-01
Cumene	98-82-8	No	Yes	-		-		1.00E-01	I	4.00E-01	I	1.00E+00	8.97E-02	1.20E+02	3.78E-01	1.19E+00	4.95E-01
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1.00E+00	4.20E-03	9.90E+01	1.61E-02	9.04E-01	3.77E-01
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1.00E+00	4.93E-02	1.06E+02	1.95E-01	9.92E-01	4.13E-01
Styrene	100-42-5	No	Yes	-		-		2.00E-01	I	1.00E+00	I	1.00E+00	3.72E-02	1.04E+02	1.46E-01	9.67E-01	4.03E-01
Toluene	108-88-3	No	Yes	-		-		8.00E-02	I	5.00E+00	I	1.00E+00	3.11E-02	9.21E+01	1.15E-01	8.28E-01	3.45E-01
Xylene, P-	106-42-3	No	Yes	-		-		2.00E-01	S	1.00E-01	S	1.00E+00	4.93E-02	1.06E+02	1.95E-01	9.92E-01	4.13E-01
Xylene, m-	108-38-3	No	Yes	-		-		2.00E-01	S	1.00E-01	S	1.00E+00	5.32E-02	1.06E+02	2.11E-01	9.92E-01	4.13E-01
Xylene, o-	95-47-6	No	Yes	-		-		2.00E-01	S	1.00E-01	S	1.00E+00	4.71E-02	1.06E+02	1.87E-01	9.92E-01	4.13E-01
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	I	1.00E-01	I	1.00E+00	5.00E-02	1.06E+02	1.98E-01	9.92E-01	4.13E-01
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-		1.00E+00	8.60E-02	1.54E+02	4.11E-01	1.84E+00	7.68E-01
Anthracene	120-12-7	No	Yes	-		-		3.00E-01	I	-		1.00E+00	1.42E-01	1.78E+02	7.29E-01	4.05E+00	1.05E+00
Benz[a]anthracene	56-55-3	Yes	Yes	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	5.52E-01	2.28E+02	3.21E+00	8.48E+00	2.00E+00
Benzo[a]pyrene	50-32-8	Yes	No	1.00E+00	I	6.00E-04	I	3.00E-04	I	2.00E-06	I	1.00E+00	7.13E-01	2.52E+02	4.36E+00	1.18E+01	2.72E+00
Benzo[b]fluoranthene	205-99-2	Yes	No	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	4.17E-01	2.52E+02	2.55E+00	1.13E+01	2.72E+00
Benzo[g,h,i]perylene	191-24-2	No	No	-		-		-		-		1.00E+00	1.12E+00	2.76E+02	7.16E+00	1.66E+01	3.71E+00
Benzo[k]fluoranthene	207-08-9	Yes	No	1.00E-02	E	6.00E-06	E	-		-		1.00E+00	6.91E-01	2.52E+02	4.22E+00	1.18E+01	2.72E+00
Biphenyl, 1,1'-	92-52-4	No	Yes	8.00E-03	I	-		5.00E-01	I	4.00E-04	X	1.00E+00	9.43E-02	1.54E+02	4.50E-01	1.84E+00	7.68E-01
Bis(2-ethylhexyl)phthalate	117-81-7	No	No	1.40E-02	I	2.40E-06	C	2.00E-02	I	-		1.00E+00	1.13E+00	3.91E+02	8.59E+00	7.29E+01	1.62E+01
Caprolactam	105-60-2	No	No	-		-		5.00E-01	I	2.20E-03	C	1.00E+00	1.00E-03	1.13E+02	4.09E-03	1.09E+00	4.52E-01
Carbazole	86-74-8	No	No	-		-		-		-		1.00E+00	5.36E-02	1.67E+02	2.67E-01	2.18E+00	9.08E-01
Chrysene	218-01-9	Yes	No	1.00E-03	E	6.00E-07	E	-		-		1.00E+00	5.96E-01	2.28E+02	3.46E+00	8.53E+00	2.00E+00
Cresol, o-	95-48-7	No	No	-		-		5.00E-02	I	6.00E-01	C	1.00E+00	7.66E-03	1.08E+02	3.06E-02	1.02E+00	4.24E-01
Cresol, p-	106-44-5	No	No	-		-		1.00E-01	A	6.00E-01	C	1.00E+00	7.54E-03	1.08E+02	3.02E-02	1.02E+00	4.24E-01
Dibenz[a,h]anthracene	53-70-3	Yes	No	1.00E+00	E	6.00E-04	E	-		-		1.00E+00	9.53E-01	2.78E+02	6.12E+00	1.69E+01	3.81E+00
Dibenzofuran	132-64-9	No	Yes	-		-		1.00E-03	X	-		1.00E+00	9.75E-02	1.68E+02	4.86E-01	2.21E+00	9.20E-01
Dimethylphenol, 2,4-	105-67-9	No	No	-		-		2.00E-02	I	-		1.00E+00	1.09E-02	1.22E+02	4.63E-02	1.22E+00	5.08E-01
Dimethylphthalate	131-11-3	No	No	-		-		-		-		1.00E+00	1.47E-03	1.94E+02	7.88E-03	3.09E+00	1.29E+00
Dinitrotoluene, 2,4-	121-14-2	No	No	3.10E-01	C	8.90E-05	C	2.00E-03	I	-		1.00E+00	3.08E-03	1.82E+02	1.60E-02	2.64E+00	1.10E+00
Dinitrotoluene, 2,6-	606-20-2	No	No	1.50E+00	P	-		3.00E-04	X	-		1.00E+00	3.70E-03	1.82E+02	1.92E-02	2.64E+00	1.10E+00
Fluoranthene	206-44-0	No	No	-		-		4.00E-02	I	-		1.00E+00	3.08E-01	2.02E+02	1.68E+00	5.73E+00	1.43E+00
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-		1.00E+00	1.10E-01	1.66E+02	5.45E-01	2.15E+00	8.97E-01
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	1.24E+00	2.76E+02	7.93E+00	1.67E+01	3.71E+00
Methylnaphthalene, 1-	90-12-0	No	Yes	2.90E-02	P	-		7.00E-02	A	-		1.00E+00	9.31E-02	1.42E+02	4.27E-01	1.58E+00	6.58E-01
Methylnaphthalene, 2-	91-57-6	No	Yes	-		-		4.00E-03	I	-		1.00E+00	9.17E-02	1.42E+02	4.21E-01	1.58E+00	6.58E-01
Naphthalene	91-20-3	No	Yes	-		3.40E-05	C	2.00E-02	I	3.00E-03	I	1.00E+00	4.66E-02	1.28E+02	2.03E-01	1.32E+00	5.49E-01
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1.00E+00	2.01E-01	2.02E+02	1.10E+00	5.54E+00	1.43E+00

Type 2 RRS

Chemical	CAS Number	Mutagen?	Volatile?	SF_o $(mg/kg\text{-}day)^{-1}$	SF_o Ref	IUR $(ug/m^3)^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW	B (unitless)	t^* (hr)	T_{event} (hr/event)
Arsenic, Inorganic	7440-38-2	No	No	1.50E+00	I	4.30E-03	I	3.00E-04	I	1.50E-05	C	1.00E+00	1.00E-03	7.49E+01	3.33E-03	6.63E-01	2.76E-01
Barium	7440-39-3	No	No	-		-		2.00E-01	I	5.00E-04	H	7.00E-02	1.00E-03	1.37E+02	4.51E-03	1.48E+00	6.18E-01
Cadmium (Water)	7440-43-9	No	No	-		1.80E-03	I	5.00E-04	I	1.00E-05	A	5.00E-02	1.00E-03	1.12E+02	4.08E-03	1.08E+00	4.48E-01
Chromium(VI)	18540-29-9	Yes	No	5.00E-01	C	8.40E-02	S	3.00E-03	I	1.00E-04	I	2.50E-02	2.00E-03	5.20E+01	5.55E-03	4.93E-01	2.06E-01
Mercury (elemental)	7439-97-6	No	Yes	-		-		-		3.00E-04	I	1.00E+00	1.00E-03	2.01E+02	5.45E-03	3.35E+00	1.40E+00
Selenium	7782-49-2	No	No	-		-		5.00E-03	I	2.00E-02	C	1.00E+00	1.00E-03	7.90E+01	3.42E-03	6.99E-01	2.91E-01
Silver	7440-22-4	No	No	-		-		5.00E-03	I	-		4.00E-02	6.00E-04	1.08E+02	2.40E-03	1.01E+00	4.23E-01

Output generated 23JAN2019:11:17:33

Site-specific Resident Regional Screening Levels (RSL) for Tap Water

Chemical	FA (unitless)	In EPD?	$DA_{event\ (ca)}$	$DA_{event\ (nc\ child)}$	$DA_{event\ (nc\ adult)}$	MCL (ug/L)	Ingestion SL TR=1E-05 (ug/L)	Dermal SL TR=1E-05 (ug/L)	Inhalation SL TR=1E-05 (ug/L)	Carcinogenic SL TR=1E-05 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)
Acetone	1.00E+00	Yes	-	2.21E+00	3.82E+00	-	-	-	-	-	1.80E+04	4.39E+06	6.44E+04	1.41E+04
Benzene	1.00E+00	Yes	1.78E-03	9.83E-03	1.70E-02	5.00E+00	1.42E+01	9.83E+01	7.20E+00	4.55E+00	8.02E+01	6.05E+02	6.26E+01	3.32E+01
Cumene	1.00E+00	Yes	-	2.46E-01	4.25E-01	-	-	-	-	-	2.01E+03	1.92E+03	8.34E+02	4.51E+02
Dichloroethane, 1,2-	1.00E+00	Yes	1.08E-03	1.47E-02	2.55E-02	5.00E+00	8.56E+00	1.84E+02	2.16E+00	1.71E+00	1.20E+02	2.82E+03	1.46E+01	1.30E+01
Ethylbenzene	1.00E+00	Yes	8.90E-03	2.46E-01	4.25E-01	7.00E+02	7.08E+01	1.24E+02	2.25E+01	1.50E+01	2.01E+03	3.82E+03	2.09E+03	8.06E+02
Styrene	1.00E+00	Yes	-	4.92E-01	8.49E-01	1.00E+02	-	-	-	-	4.01E+03	1.03E+04	2.09E+03	1.21E+03
Toluene	1.00E+00	Yes	-	1.97E-01	3.40E-01	1.00E+03	-	-	-	-	1.60E+03	5.30E+03	1.04E+04	1.10E+03
Xylene, P-	1.00E+00	Yes	-	4.92E-01	8.49E-01	-	-	-	-	-	4.01E+03	7.63E+03	2.09E+02	1.93E+02
Xylene, m-	1.00E+00	Yes	-	4.92E-01	8.49E-01	-	-	-	-	-	4.01E+03	7.07E+03	2.09E+02	1.93E+02
Xylene, o-	1.00E+00	Yes	-	4.92E-01	8.49E-01	-	-	-	-	-	4.01E+03	7.99E+03	2.09E+02	1.93E+02
Xylenes	1.00E+00	Yes	-	4.92E-01	8.49E-01	1.00E+04	-	-	-	-	4.01E+03	7.53E+03	2.09E+02	1.93E+02
Acenaphthene	1.00E+00	Yes	-	1.47E-01	2.55E-01	-	-	-	-	-	1.20E+03	9.63E+02	-	5.35E+02
Anthracene	1.00E+00	Yes	-	7.37E-01	1.27E+00	-	-	-	-	-	6.02E+03	2.50E+03	-	1.77E+03
Benz[a]anthracene	1.00E+00	No	-	-	-	-	2.51E+00	-	3.38E-01	2.98E-01	-	-	-	-
Benzo[a]pyrene	1.00E+00	No	-	-	-	2.00E-01	2.51E-01	-	-	2.51E-01	6.02E+00	-	-	6.02E+00
Benzo[b]fluoranthene	1.00E+00	No	-	-	-	-	2.51E+00	-	-	2.51E+00	-	-	-	-
Benzo[g,h,i]perylene	7.00E-01	No	-	-	-	-	-	-	-	-	-	-	-	-
Benzo[k]fluoranthene	9.00E-01	No	-	-	-	-	2.51E+01	-	-	2.51E+01	-	-	-	-
Biphenyl, 1,1'-	1.00E+00	Yes	1.22E-02	1.23E+00	2.12E+00	-	9.74E+01	6.54E+01	-	3.91E+01	1.00E+04	7.32E+03	8.34E-01	8.34E-01
Bis(2-ethylhexyl)phthalate	8.00E-01	No	-	-	-	6.00E+00	5.56E+01	-	-	5.56E+01	4.01E+02	-	-	4.01E+02
Caprolactam	1.00E+00	Yes	-	1.23E+00	2.12E+00	-	-	-	-	-	1.00E+04	8.99E+05	-	9.92E+03
Carbazole	1.00E+00	Yes	-	-	-	-	-	-	-	-	-	-	-	-
Chrysene	1.00E+00	No	-	-	-	-	2.51E+02	-	-	2.51E+02	-	-	-	-
Cresol, o-	1.00E+00	Yes	-	1.23E-01	2.12E-01	-	-	-	-	-	1.00E+03	1.21E+04	-	9.26E+02
Cresol, p-	1.00E+00	Yes	-	2.46E-01	4.25E-01	-	-	-	-	-	2.01E+03	2.46E+04	-	1.85E+03
Dibenz[a,h]anthracene	6.00E-01	No	-	-	-	-	2.51E-01	-	-	2.51E-01	-	-	-	-
Dibenzofuran	1.00E+00	Yes	-	2.46E-03	4.25E-03	-	-	-	-	-	2.01E+01	1.29E+01	-	7.86E+00
Dimethylphenol, 2,4-	1.00E+00	Yes	-	4.92E-02	8.49E-02	-	-	-	-	-	4.01E+02	3.11E+03	-	3.55E+02
Dimethylphthalate	1.00E+00	Yes	-	-	-	-	-	-	-	-	-	-	-	-
Dinitrotoluene, 2,4-	1.00E+00	Yes	3.16E-04	4.92E-03	8.49E-03	-	2.51E+00	4.32E+01	-	2.37E+00	4.01E+01	7.49E+02	-	3.81E+01
Dinitrotoluene, 2,6-	1.00E+00	Yes	6.52E-05	7.37E-04	1.27E-03	-	5.19E-01	7.42E+00	-	4.85E-01	6.02E+00	9.35E+01	-	5.65E+00
Fluoranthene	1.00E+00	No	-	-	-	-	-	-	-	-	8.02E+02	-	-	8.02E+02
Fluorene	1.00E+00	Yes	-	9.83E-02	1.70E-01	-	-	-	-	-	8.02E+02	4.65E+02	-	2.94E+02
Indeno[1,2,3-cd]pyrene	6.00E-01	No	-	-	-	-	2.51E+00	-	-	2.51E+00	-	-	-	-
Methylnaphthalene, 1-	1.00E+00	Yes	3.37E-03	1.72E-01	2.97E-01	-	2.69E+01	1.97E+01	-	1.14E+01	1.40E+03	1.12E+03	-	6.23E+02
Methylnaphthalene, 2-	1.00E+00	Yes	-	9.83E-03	1.70E-02	-	-	-	-	-	8.02E+01	6.51E+01	-	3.59E+01
Naphthalene	1.00E+00	Yes	-	4.92E-02	8.49E-02	-	-	-	1.65E+00	1.65E+00	4.01E+02	7.01E+02	6.26E+00	6.11E+00
Pyrene	1.00E+00	Yes	-	7.37E-02	1.27E-01	-	-	-	-	-	6.02E+02	1.51E+02	-	1.21E+02

Type 2 RRS

Chemical	FA (unitless)	In EPD?	$DA_{event\ (ca)}$	$DA_{event\ (nc\ child)}$	$DA_{event\ (nc\ adult)}$	MCL (ug/L)	Ingestion SL TR=1E-05 (ug/L)	Dermal SL TR=1E-05 (ug/L)	Inhalation SL TR=1E-05 (ug/L)	Carcinogenic SL TR=1E-05 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)	Noncarcinogenic SL Child THI=1 (ug/L)
Arsenic, Inorganic	1.00E+00	Yes	6.52E-05	7.37E-04	1.27E-03	1.00E+01	5.19E-01	9.73E+01	-	5.17E-01	6.02E+00	1.37E+03	-	5.99E+00
Barium	1.00E+00	Yes	-	3.44E-02	5.94E-02	2.00E+03	-	-	-	-	4.01E+03	6.37E+04	-	3.77E+03
Cadmium (Water)	1.00E+00	Yes	-	6.14E-05	1.06E-04	5.00E+00	-	-	-	-	1.00E+01	1.14E+02	-	9.22E+00
Chromium(VI)	1.00E+00	Yes	1.56E-06	1.84E-04	3.18E-04	-	5.01E-01	1.16E+00	-	3.50E-01	6.02E+01	1.71E+02	-	4.45E+01
Mercury (elemental)	1.00E+00	Yes	-	-	-	2.00E+00	-	-	-	-	-	-	6.26E-01	6.26E-01
Selenium	1.00E+00	Yes	-	1.23E-02	2.12E-02	5.00E+01	-	-	-	-	1.00E+02	2.28E+04	-	9.98E+01
Silver	1.00E+00	Yes	-	4.92E-04	8.49E-04	-	-	-	-	-	1.00E+02	1.52E+03	-	9.41E+01

Output generated 23JAN2019:11:17:33

Site-specific Resident
Regional Screening Levels (RSL) for Tap Water

Chemical	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)
Acetone	3.00E+04	6.46E+06	6.44E+04	2.04E+04
Benzene	1.33E+02	8.90E+02	6.26E+01	4.07E+01
Cumene	3.34E+03	2.89E+03	8.34E+02	5.42E+02
Dichloroethane, 1,2-	2.00E+02	4.24E+03	1.46E+01	1.36E+01
Ethylbenzene	3.34E+03	5.75E+03	2.09E+03	1.05E+03
Styrene	6.67E+03	1.54E+04	2.09E+03	1.44E+03
Toluene	2.67E+03	7.98E+03	1.04E+04	1.68E+03
Xylene, P-	6.67E+03	1.15E+04	2.09E+02	1.99E+02
Xylene, m-	6.67E+03	1.07E+04	2.09E+02	1.98E+02
Xylene, o-	6.67E+03	1.20E+04	2.09E+02	1.99E+02
Xylenes	6.67E+03	1.13E+04	2.09E+02	1.99E+02
Acenaphthene	2.00E+03	1.45E+03	-	8.41E+02
Anthracene	1.00E+04	3.76E+03	-	2.74E+03
Benz[a]anthracene	-	-	-	-
Benzo[a]pyrene	1.00E+01	-	-	1.00E+01
Benzo[b]fluoranthene	-	-	-	-
Benzo[g,h,i]perylene	-	-	-	-
Benzo[k]fluoranthene	-	-	-	-
Biphenyl, 1,1'-	1.67E+04	1.10E+04	8.34E-01	8.34E-01
Bis(2-ethylhexyl)phthalate	6.67E+02	-	-	6.67E+02
Caprolactam	1.67E+04	1.36E+06	-	1.65E+04
Carbazole	-	-	-	-
Chrysene	-	-	-	-
Cresol, o-	1.67E+03	1.83E+04	-	1.53E+03
Cresol, p-	3.34E+03	3.71E+04	-	3.06E+03
Dibenz[a,h]anthracene	-	-	-	-
Dibenzofuran	3.34E+01	1.95E+01	-	1.23E+01
Dimethylphenol, 2,4-	6.67E+02	4.69E+03	-	5.84E+02
Dimethylphthalate	-	-	-	-
Dinitrotoluene, 2,4-	6.67E+01	1.13E+03	-	6.30E+01
Dinitrotoluene, 2,6-	1.00E+01	1.41E+02	-	9.35E+00
Fluoranthene	1.33E+03	-	-	1.33E+03
Fluorene	1.33E+03	7.00E+02	-	4.59E+02
Indeno[1,2,3-cd]pyrene	-	-	-	-
Methylnaphthalene, 1-	2.34E+03	1.69E+03	-	9.80E+02
Methylnaphthalene, 2-	1.33E+02	9.80E+01	-	5.65E+01
Naphthalene	6.67E+02	1.06E+03	6.26E+00	6.16E+00
Pyrene	1.00E+03	2.28E+02	-	1.86E+02

Type 2 RRS

Chemical	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)
Arsenic, Inorganic	1.00E+01	1.79E+03	-	9.96E+00
Barium	6.67E+03	8.37E+04	-	6.18E+03
Cadmium (Water)	1.67E+01	1.49E+02	-	1.50E+01
Chromium(VI)	1.00E+02	2.24E+02	-	6.92E+01
Mercury (elemental)	-	-	6.26E-01	6.26E-01
Selenium	1.67E+02	2.99E+04	-	1.66E+02
Silver	1.67E+02	1.99E+03	-	1.54E+02

Output generated 23JAN2019:11:17:33

Key: I = IRIS; P = PPRTV; D = DWSHA; O = OPP; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #31); H = HEAST; F = See FAQ; W = see user guide Section 2.3.5; E = see user guide Section 2.3.6; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice) ; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = Concentration may exceed ceiling limit (See User Guide); sat = Concentration may exceed Csat (See User Guide); U = User-provided

Site-specific
Resident Equation Inputs for Tap Water

* Inputted values different from Resident defaults are highlighted.

Variable	Resident Tap Water Default Value	Form-input Value
BW_{0-2} (mutagenic body weight) kg	15	0
BW_{2-6} (mutagenic body weight) kg	15	0
BW_{6-16} (mutagenic body weight) kg	80	0
BW_{16-26} (mutagenic body weight) kg	80	80
BW_{res-a} (body weight - adult) kg	80	80
BW_{res-c} (body weight - child) kg	15	0
$DFW_{res-adj}$ (age-adjusted dermal factor) cm^2-event/kg	2610650	275546.875
$DFWM_{res-adj}$ (mutagenic age-adjusted dermal factor) cm^2-event/kg	8191633	275546.875
ED_{res} (exposure duration - resident) years	26	25
ED_{0-2} (mutagenic exposure duration first phase) years	2	0
ED_{2-6} (mutagenic exposure duration second phase) years	4	0
ED_{6-16} (mutagenic exposure duration third phase) years	10	0
ED_{16-26} (mutagenic exposure duration fourth phase) years	10	25
ED_{res-a} (exposure duration - adult) years	20	25
ED_{res-c} (exposure duration - child) years	6	0
EF_{res} (exposure frequency) days/year	350	250
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350	0
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350	0
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350	0
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350	250
EF_{res-a} (exposure frequency - adult) days/year	350	250
EF_{res-c} (exposure frequency - child) days/year	350	0
ET_{res} (exposure time) hours/day	24	8
$ET_{event-res-adj}$ (age-adjusted exposure time) hours/event	0.67077	0.54
$ET_{event-res-madj}$ (mutagenic age-adjusted exposure time) hours/event	0.67077	0.54
ET_{0-2} (mutagenic dermal exposure time first phase) hours/event	0.54	0
ET_{2-6} (mutagenic dermal exposure time second phase) hours/event	0.54	0
ET_{6-16} (mutagenic dermal exposure time third phase) hours/event	0.71	0
ET_{16-26} (mutagenic dermal exposure time fourth phase) hours/event	0.71	0.54

Type 4 RRS Inputs

Variable	Resident Tap Water Default Value	Form-input Value
ET_{res-a} (dermal exposure time - adult) hours/event	0.71	0.54
ET_{res-c} (dermal exposure time - child) hours/event	0.54	0
ET_{0-2} (mutagenic inhalation exposure time first phase) hours/day	24	0
ET_{2-6} (mutagenic inhalation exposure time second phase) hours/day	24	0
ET_{6-16} (mutagenic inhalation exposure time third phase) hours/day	24	0
ET_{16-26} (mutagenic inhalation exposure time fourth phase) hours/day	24	8
ET_{res-a} (inhalation exposure time - adult) hours/day	24	8
ET_{res-c} (inhalation exposure time - child) hours/day	24	0
EV_{0-2} (mutagenic events) per day	1	0
EV_{2-6} (mutagenic events) per day	1	0
EV_{6-16} (mutagenic events) per day	1	0
EV_{16-26} (mutagenic events) per day	1	1
EV_{res-a} (events - adult) per day	1	1
EV_{res-c} (events - child) per day	1	0
THQ (target hazard quotient) unitless	0.1	1
$IFW_{res-adj}$ (adjusted intake factor) L/kg	327.95	78.125
$IFWM_{res-adj}$ (mutagenic adjusted intake factor) L/kg	1019.9	78.125
IRW_{0-2} (mutagenic water intake rate) L/day	0.78	0
IRW_{2-6} (mutagenic water intake rate) L/day	0.78	0
IRW_{6-16} (mutagenic water intake rate) L/day	2.5	0
IRW_{16-26} (mutagenic water intake rate) L/day	2.5	1
IRW_{res-a} (water intake rate - adult) L/day	2.5	1
IRW_{res-c} (water intake rate - child) L/day	0.78	0
K (volatilization factor of Andelman) L/m^3	0.5	0.5
LT (lifetime) years	70	70
SA_{0-2} (mutagenic skin surface area) cm^2	6365	0
SA_{2-6} (mutagenic skin surface area) cm^2	6365	0
SA_{6-16} (mutagenic skin surface area) cm^2	19652	0
SA_{16-26} (mutagenic skin surface area) cm^2	19652	3527
SA_{res-a} (skin surface area - adult) cm^2	19652	3527
SA_{res-c} (skin surface area - child) cm^2	6365	0
l_{sc} (apparent thickness of stratum corneum) cm	0.001	0.001
TR (target risk) unitless	0.000001	0.00001

Output generated 23JAN2019:11:11:31

Type 4 RRS

Site-specific Resident
Regional Screening Levels (RSL) for Tap Water

Chemical	CAS Number	Mutagen?	Volatile?	SF_o $(mg/kg\text{-}day)^{-1}$	SF_o Ref	IUR $(ug/m^3)^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW	B (unitless)	t^* (hr)	τ_{event} (hr/event)	FA (unitless)
Acetone	67-64-1	No	Yes	-		-		9.00E-01	I	3.09E+01	A	1.00E+00	5.12E-04	5.81E+01	1.50E-03	5.34E-01	2.22E-01	1.00E+00
Benzene	71-43-2	No	Yes	5.50E-02	I	7.80E-06	I	4.00E-03	I	3.00E-02	I	1.00E+00	1.49E-02	7.81E+01	5.07E-02	6.91E-01	2.88E-01	1.00E+00
Cumene	98-82-8	No	Yes	-		-		1.00E-01	I	4.00E-01	I	1.00E+00	8.97E-02	1.20E+02	3.78E-01	1.19E+00	4.95E-01	1.00E+00
Dichloroethane, 1,2-	107-06-2	No	Yes	9.10E-02	I	2.60E-05	I	6.00E-03	X	7.00E-03	P	1.00E+00	4.20E-03	9.90E+01	1.61E-02	9.04E-01	3.77E-01	1.00E+00
Ethylbenzene	100-41-4	No	Yes	1.10E-02	C	2.50E-06	C	1.00E-01	I	1.00E+00	I	1.00E+00	4.93E-02	1.06E+02	1.95E-01	9.92E-01	4.13E-01	1.00E+00
Styrene	100-42-5	No	Yes	-		-		2.00E-01	I	1.00E+00	I	1.00E+00	3.72E-02	1.04E+02	1.46E-01	9.67E-01	4.03E-01	1.00E+00
Toluene	108-88-3	No	Yes	-		-		8.00E-02	I	5.00E+00	I	1.00E+00	3.11E-02	9.21E+01	1.15E-01	8.28E-01	3.45E-01	1.00E+00
Xylenes	1330-20-7	No	Yes	-		-		2.00E-01	I	1.00E-01	I	1.00E+00	5.00E-02	1.06E+02	1.98E-01	9.92E-01	4.13E-01	1.00E+00
Acenaphthene	83-32-9	No	Yes	-		-		6.00E-02	I	-		1.00E+00	8.60E-02	1.54E+02	4.11E-01	1.84E+00	7.68E-01	1.00E+00
Anthracene	120-12-7	No	Yes	-		-		3.00E-01	I	-		1.00E+00	1.42E-01	1.78E+02	7.29E-01	4.05E+00	1.05E+00	1.00E+00
Benz[a]anthracene	56-55-3	Yes	Yes	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	5.52E-01	2.28E+02	3.21E+00	8.48E+00	2.00E+00	1.00E+00
Benzo[a]pyrene	50-32-8	Yes	No	1.00E+00	I	6.00E-04	I	3.00E-04	I	2.00E-06	I	1.00E+00	7.13E-01	2.52E+02	4.36E+00	1.18E+01	2.72E+00	1.00E+00
Benzo[b]fluoranthene	205-99-2	Yes	No	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	4.17E-01	2.52E+02	2.55E+00	1.13E+01	2.72E+00	1.00E+00
Benzo[g,h,i]perylene	191-24-2	No	No	-		-		-		-		1.00E+00	1.12E+00	2.76E+02	7.16E+00	1.66E+01	3.71E+00	7.00E-01
Benzo[k]fluoranthene	207-08-9	Yes	No	1.00E-02	E	6.00E-06	E	-		-		1.00E+00	6.91E-01	2.52E+02	4.22E+00	1.18E+01	2.72E+00	9.00E-01
Biphenyl, 1,1'- [(a)]	92-52-4	No	Yes	8.00E-03	I	-		5.00E-01	I	4.00E-04	X	1.00E+00	9.43E-02	1.54E+02	4.50E-01	1.84E+00	7.68E-01	1.00E+00
Bis(2-ethylhexyl)phthalate	117-81-7	No	No	1.40E-02	I	2.40E-06	C	2.00E-02	I	-		1.00E+00	1.13E+00	3.91E+02	8.59E+00	7.29E+01	1.62E+01	8.00E-01
Caprolactam [(a)]	105-60-2	No	No	-		-		5.00E-01	I	2.20E-03	C	1.00E+00	1.00E-03	1.13E+02	4.09E-03	1.09E+00	4.52E-01	1.00E+00
Carbazole	86-74-8	No	No	-		-		-		-		1.00E+00	5.36E-02	1.67E+02	2.67E-01	2.18E+00	9.08E-01	1.00E+00
Chrysene	218-01-9	Yes	No	1.00E-03	E	6.00E-07	E	-		-		1.00E+00	5.96E-01	2.28E+02	3.46E+00	8.53E+00	2.00E+00	1.00E+00
Cresol, o- [(a)]	95-48-7	No	No	-		-		5.00E-02	I	6.00E-01	C	1.00E+00	7.66E-03	1.08E+02	3.06E-02	1.02E+00	4.24E-01	1.00E+00
Cresol, p- [(a)]	106-44-5	No	No	-		-		1.00E-01	A	6.00E-01	C	1.00E+00	7.54E-03	1.08E+02	3.02E-02	1.02E+00	4.24E-01	1.00E+00
Dibenz[a,h]anthracene	53-70-3	Yes	No	1.00E+00	E	6.00E-04	E	-		-		1.00E+00	9.53E-01	2.78E+02	6.12E+00	1.69E+01	3.81E+00	6.00E-01
Dibenzofuran [(a)]	132-64-9	No	Yes	-		-		1.00E-03	X	-		1.00E+00	9.75E-02	1.68E+02	4.86E-01	2.21E+00	9.20E-01	1.00E+00
Dimethylphenol, 2,4-	105-67-9	No	No	-		-		2.00E-02	I	-		1.00E+00	1.09E-02	1.22E+02	4.63E-02	1.22E+00	5.08E-01	1.00E+00
Dimethylphthalate	131-11-3	No	No	-		-		-		-		1.00E+00	1.47E-03	1.94E+02	7.88E-03	3.09E+00	1.29E+00	1.00E+00
Dinitrotoluene, 2,4-	121-14-2	No	No	3.10E-01	C	8.90E-05	C	2.00E-03	I	-		1.00E+00	3.08E-03	1.82E+02	1.60E-02	2.64E+00	1.10E+00	1.00E+00
Dinitrotoluene, 2,6-	606-20-2	No	No	1.50E+00	P	-		3.00E-04	X	-		1.00E+00	3.70E-03	1.82E+02	1.92E-02	2.64E+00	1.10E+00	1.00E+00
Fluoranthene	206-44-0	No	No	-		-		4.00E-02	I	-		1.00E+00	3.08E-01	2.02E+02	1.68E+00	5.73E+00	1.43E+00	1.00E+00
Fluorene	86-73-7	No	Yes	-		-		4.00E-02	I	-		1.00E+00	1.10E-01	1.66E+02	5.45E-01	2.15E+00	8.97E-01	1.00E+00
Indeno[1,2,3-cd]pyrene	193-39-5	Yes	No	1.00E-01	E	6.00E-05	E	-		-		1.00E+00	1.24E+00	2.76E+02	7.93E+00	1.67E+01	3.71E+00	6.00E-01
Methylnaphthalene, 1- [(a)]	90-12-0	No	Yes	2.90E-02	P	-		7.00E-02	A	-		1.00E+00	9.31E-02	1.42E+02	4.27E-01	1.58E+00	6.58E-01	1.00E+00
Methylnaphthalene, 2- [(a)]	91-57-6	No	Yes	-		-		4.00E-03	I	-		1.00E+00	9.17E-02	1.42E+02	4.21E-01	1.58E+00	6.58E-01	1.00E+00
Naphthalene	91-20-3	No	Yes	-		3.40E-05	C	2.00E-02	I	3.00E-03	I	1.00E+00	4.66E-02	1.28E+02	2.03E-01	1.32E+00	5.49E-01	1.00E+00
Pyrene	129-00-0	No	Yes	-		-		3.00E-02	I	-		1.00E+00	2.01E-01	2.02E+02	1.10E+00	5.54E+00	1.43E+00	1.00E+00

Type 4 RRS

Chemical	CAS Number	Mutagen?	Volatile?	SF_o $(mg/kg\text{-}day)^{-1}$	SF_o Ref	IUR $(ug/m^3)^{-1}$	IUR Ref	RfD (mg/kg-day)	RfD Ref	RfC (mg/m^3)	RfC Ref	GIABS	K_p (cm/hr)	MW	B (unitless)	t^* (hr)	τ_{event} (hr/event)	FA (unitless)
Arsenic, Inorganic	7440-38-2	No	No	1.50E+00	I	4.30E-03	I	3.00E-04	I	1.50E-05	C	1.00E+00	1.00E-03	7.49E+01	3.33E-03	6.63E-01	2.76E-01	1.00E+00
Barium	7440-39-3	No	No	-		-		2.00E-01	I	5.00E-04	H	7.00E-02	1.00E-03	1.37E+02	4.51E-03	1.48E+00	6.18E-01	1.00E+00
Cadmium (Water)	7440-43-9	No	No	-		1.80E-03	I	5.00E-04	I	1.00E-05	A	5.00E-02	1.00E-03	1.12E+02	4.08E-03	1.08E+00	4.48E-01	1.00E+00
Chromium(VI) [(a)]	18540-29-9	Yes	No	5.00E-01	C	8.40E-02	S	3.00E-03	I	1.00E-04	I	2.50E-02	2.00E-03	5.20E+01	5.55E-03	4.93E-01	2.06E-01	1.00E+00
Mercury (elemental)	7439-97-6	No	Yes	-		-		-		3.00E-04	I	1.00E+00	1.00E-03	2.01E+02	5.45E-03	3.35E+00	1.40E+00	1.00E+00
Selenium	7782-49-2	No	No	-		-		5.00E-03	I	2.00E-02	C	1.00E+00	1.00E-03	7.90E+01	3.42E-03	6.99E-01	2.91E-01	1.00E+00
Silver	7440-22-4	No	No	-		-		5.00E-03	I	-		4.00E-02	6.00E-04	1.08E+02	2.40E-03	1.01E+00	4.23E-01	1.00E+00

(a) - Values also used for Type 3 RRS

Output generated 23JAN2019:11:11:31

Site-specific Resident
Regional Screening Levels (RSL) for Tap Water

Chemical	In EPD?	$DA_{event\ (ca)}$	$DA_{event\ (nc\ child)}$	$DA_{event\ (nc\ adult)}$	MCL (ug/L)	Ingestion SL TR=1E-05 (ug/L)	Dermal SL TR=1E-05 (ug/L)	Inhalation SL TR=1E-05 (ug/L)	Carcinogenic SL TR=1E-05 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)
Acetone	Yes	-	-	2.98E+01	-	-	-	-	-	-	-	-
Benzene	Yes	1.69E-02	-	1.32E-01	5.00E+00	5.95E+01	1.04E+03	3.14E+01	2.02E+01	-	-	-
Cumene	Yes	-	-	3.31E+00	-	-	-	-	-	-	-	-
Dichloroethane, 1,2-	Yes	1.02E-02	-	1.99E-01	5.00E+00	3.59E+01	1.95E+03	9.43E+00	7.44E+00	-	-	-
Ethylbenzene	Yes	8.43E-02	-	3.31E+00	7.00E+02	2.97E+02	1.31E+03	9.81E+01	6.98E+01	-	-	-
Styrene	Yes	-	-	6.62E+00	1.00E+02	-	-	-	-	-	-	-
Toluene	Yes	-	-	2.65E+00	1.00E+03	-	-	-	-	-	-	-
Xylenes	Yes	-	-	6.62E+00	1.00E+04	-	-	-	-	-	-	-
Acenaphthene	Yes	-	-	1.99E+00	-	-	-	-	-	-	-	-
Anthracene	Yes	-	-	9.93E+00	-	-	-	-	-	-	-	-
Benz[a]anthracene	No	-	-	-	-	3.27E+01	-	4.09E+00	3.63E+00	-	-	-
Benzo[a]pyrene	No	-	-	-	2.00E-01	3.27E+00	-	-	3.27E+00	-	-	-
Benzo[b]fluoranthene	No	-	-	-	-	3.27E+01	-	-	3.27E+01	-	-	-
Benzo[g,h,i]perylene	No	-	-	-	-	-	-	-	-	-	-	-
Benzo[k]fluoranthene	No	-	-	-	-	3.27E+02	-	-	3.27E+02	-	-	-
Biphenyl, 1,1'- [(a)]	Yes	1.16E-01	-	1.66E+01	-	4.09E+02	6.90E+02	-	2.57E+02	-	-	-
Bis(2-ethylhexyl)phthalate	No	-	-	-	6.00E+00	2.34E+02	-	-	2.34E+02	-	-	-
Caprolactam [(a)]	Yes	-	-	1.66E+01	-	-	-	-	-	-	-	-
Carbazole	Yes	-	-	-	-	-	-	-	-	-	-	-
Chrysene	No	-	-	-	-	3.27E+03	-	-	3.27E+03	-	-	-
Cresol, o- [(a)]	Yes	-	-	1.66E+00	-	-	-	-	-	-	-	-
Cresol, p- [(a)]	Yes	-	-	3.31E+00	-	-	-	-	-	-	-	-
Dibenz[a,h]anthracene	No	-	-	-	-	3.27E+00	-	-	3.27E+00	-	-	-
Dibenzofuran [(a)]	Yes	-	-	3.31E-02	-	-	-	-	-	-	-	-
Dimethylphenol, 2,4-	Yes	-	-	6.62E-01	-	-	-	-	-	-	-	-
Dimethylphthalate	Yes	-	-	-	-	-	-	-	-	-	-	-
Dinitrotoluene, 2,4-	Yes	2.99E-03	-	6.62E-02	-	1.05E+01	4.56E+02	-	1.03E+01	-	-	-
Dinitrotoluene, 2,6-	Yes	6.18E-04	-	9.93E-03	-	2.18E+00	7.84E+01	-	2.12E+00	-	-	-
Fluoranthene	No	-	-	-	-	-	-	-	-	-	-	-
Fluorene	Yes	-	-	1.32E+00	-	-	-	-	-	-	-	-
Indeno[1,2,3-cd]pyrene	No	-	-	-	-	3.27E+01	-	-	3.27E+01	-	-	-
Methylnaphthalene, 1- [(a)]	Yes	3.20E-02	-	2.32E+00	-	1.13E+02	2.08E+02	-	7.32E+01	-	-	-
Methylnaphthalene, 2- [(a)]	Yes	-	-	1.32E-01	-	-	-	-	-	-	-	-
Naphthalene	Yes	-	-	6.62E-01	-	-	-	7.21E+00	7.21E+00	-	-	-
Pyrene	Yes	-	-	9.93E-01	-	-	-	-	-	-	-	-

Type 4 RRS

Chemical	In EPD?	$DA_{event\ (ca)}$	$DA_{event\ (nc\ child)}$	$DA_{event\ (nc\ adult)}$	MCL (ug/L)	Ingestion SL TR=1E-05 (ug/L)	Dermal SL TR=1E-05 (ug/L)	Inhalation SL TR=1E-05 (ug/L)	Carcinogenic SL TR=1E-05 (ug/L)	Ingestion SL Child THQ=1 (ug/L)	Dermal SL Child THQ=1 (ug/L)	Inhalation SL Child THQ=1 (ug/L)
Arsenic, Inorganic	Yes	6.18E-04	-	9.93E-03	1.00E+01	2.18E+00	1.14E+03	-	2.18E+00	-	-	-
Barium	Yes	-	-	4.64E-01	2.00E+03	-	-	-	-	-	-	-
Cadmium (Water)	Yes	-	-	8.28E-04	5.00E+00	-	-	-	-	-	-	-
Chromium(VI) [(a)]	Yes	4.64E-05	-	2.48E-03	-	6.54E+00	4.29E+01	-	5.68E+00	-	-	-
Mercury (elemental)	Yes	-	-	-	2.00E+00	-	-	-	-	-	-	-
Selenium	Yes	-	-	1.66E-01	5.00E+01	-	-	-	-	-	-	-
Silver	Yes	-	-	6.62E-03	-	-	-	-	-	-	-	-

(a) - Values also used for Type 3 RRS

Output generated 23JAN2019:11:11:31

Site-specific Resident
Regional Screening Levels (RSL) for Tap Water

Chemical	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)
Acetone	-	1.05E+05	5.91E+07	2.71E+05	7.56E+04
Benzene	-	4.67E+02	8.16E+03	2.63E+02	1.65E+02
Cumene	-	1.17E+04	2.58E+04	3.50E+03	2.44E+03
Dichloroethane, 1,2-	-	7.01E+02	3.79E+04	6.13E+01	5.63E+01
Ethylbenzene	-	1.17E+04	5.14E+04	8.76E+03	4.56E+03
Styrene	-	2.34E+04	1.38E+05	8.76E+03	6.09E+03
Toluene	-	9.34E+03	7.14E+04	4.38E+04	6.95E+03
Xylenes	-	2.34E+04	1.01E+05	8.76E+02	8.37E+02
Acenaphthene	-	7.01E+03	1.30E+04	-	4.55E+03
Anthracene	-	3.50E+04	3.37E+04	-	1.72E+04
Benz[a]anthracene	-	-	-	-	-
Benzo[a]pyrene	-	3.50E+01	-	-	3.50E+01
Benzo[b]fluoranthene	-	-	-	-	-
Benzo[g,h,i]perylene	-	-	-	-	-
Benzo[k]fluoranthene	-	-	-	-	-
Biphenyl, 1,1'- [(a)]	-	5.84E+04	9.86E+04	3.50E+00	3.50E+00
Bis(2-ethylhexyl)phthalate	-	2.34E+03	-	-	2.34E+03
Caprolactam [(a)]	-	5.84E+04	1.21E+07	-	5.81E+04
Carbazole	-	-	-	-	-
Chrysene	-	-	-	-	-
Cresol, o- [(a)]	-	5.84E+03	1.63E+05	-	5.64E+03
Cresol, p- [(a)]	-	1.17E+04	3.32E+05	-	1.13E+04
Dibenz[a,h]anthracene	-	-	-	-	-
Dibenzofuran [(a)]	-	1.17E+02	1.74E+02	-	6.99E+01
Dimethylphenol, 2,4-	-	2.34E+03	4.20E+04	-	2.21E+03
Dimethylphthalate	-	-	-	-	-
Dinitrotoluene, 2,4-	-	2.34E+02	1.01E+04	-	2.28E+02
Dinitrotoluene, 2,6-	-	3.50E+01	1.26E+03	-	3.41E+01
Fluoranthene	-	4.67E+03	-	-	4.67E+03
Fluorene	-	4.67E+03	6.26E+03	-	2.68E+03
Indeno[1,2,3-cd]pyrene	-	-	-	-	-
Methylnaphthalene, 1- [(a)]	-	8.18E+03	1.51E+04	-	5.31E+03
Methylnaphthalene, 2- [(a)]	-	4.67E+02	8.77E+02	-	3.05E+02
Naphthalene	-	2.34E+03	9.44E+03	2.63E+01	2.59E+01
Pyrene	-	3.50E+03	2.04E+03	-	1.29E+03

Type 4 RRS

Chemical	Noncarcinogenic SL Child THI=1 (ug/L)	Ingestion SL Adult THQ=1 (ug/L)	Dermal SL Adult THQ=1 (ug/L)	Inhalation SL Adult THQ=1 (ug/L)	Noncarcinogenic SL Adult THI=1 (ug/L)
Arsenic, Inorganic	-	3.50E+01	1.84E+04	-	3.50E+01
Barium	-	2.34E+04	8.59E+05	-	2.27E+04
Cadmium (Water)	-	5.84E+01	1.53E+03	-	5.63E+01
Chromium(VI) [(a)]	-	3.50E+02	2.30E+03	-	3.04E+02
Mercury (elemental)	-	-	-	2.63E+00	2.63E+00
Selenium	-	5.84E+02	3.07E+05	-	5.83E+02
Silver	-	5.84E+02	2.04E+04	-	5.68E+02

(a) - Values also used for Type 3 RRS

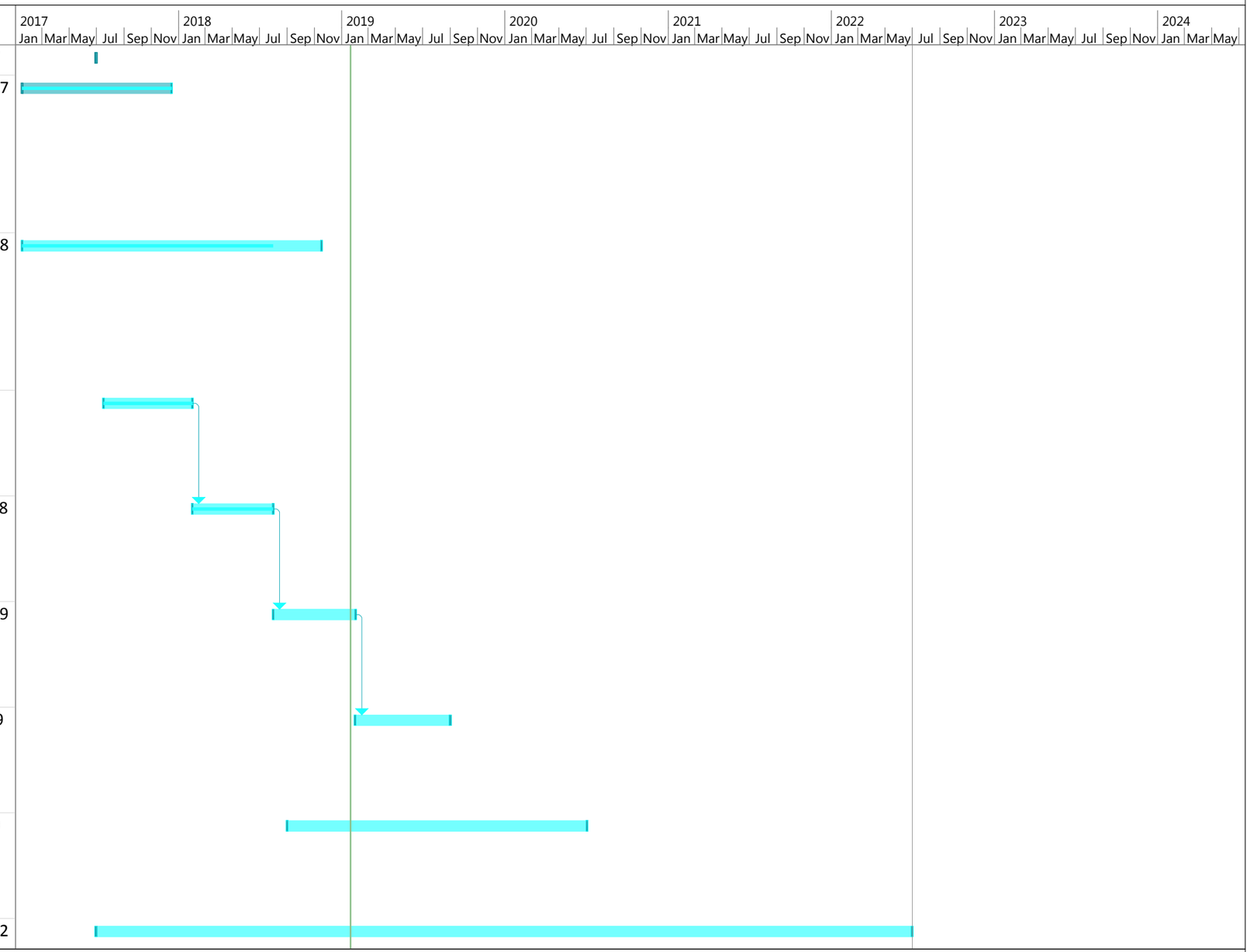
Output generated 23JAN2019:11:11:31

Key: I = IRIS; P = PPRTV; D = DWSHA; O = OPP; A = ATSDR; C = Cal EPA; X = APPENDIX PPRTV SCREEN (See FAQ #31); H = HEAST; F = See FAQ; W = see user guide Section 2.3.5; E = see user guide Section 2.3.6; L = see user guide on lead; M = mutagen; S = see user guide Section 5; V = volatile; R = RBA applied (See User Guide for Arsenic notice) ; ca = cancer; nc = noncancer; * = where: nc SL < 100X ca SL; ** = where nc SL < 10X ca SL; SSL values are based on DAF=1; max = Concentration may exceed ceiling limit (See User Guide); sat = Concentration may exceed Csat (See User Guide); U = User-provided

Appendix F
Updated Project Milestone Schedule

Projected Milestone Schedule
Former GDOT Maintenance Facility Site
Douglas, Georgia

ID	Task Name	Duration	Start	Finish
1	Entered VRP	1 day	Fri 6/30/17	Fri 6/30/17
2	Complete Horizontal delineation of the release and associated COCs on property where access is available at the time of enrollment	12 mons	Mon 1/16/17	Fri 12/15/17
3	Complete horizontal delineation of the release and associated COCs extending onto property for which access was not available at the time of enrollment	24 mons	Mon 1/16/17	Fri 11/16/18
4	Submit 1st Semiannual VRP Progress Report	7.15 mons	Mon 7/17/17	Wed 1/31/18
5	Submit 2nd Semiannual VRP Progress Report	6.45 mons	Thu 2/1/18	Tue 7/31/18
6	Submit 3rd Semiannual VRP Progress Report	6.6 mons	Wed 8/1/18	Thu 1/31/19
7	Submit 4th Semiannual VRP Progress Report	7.65 mons	Thu 1/31/19	Sat 8/31/19
8	Environmental Covenant	24 mons	Sat 9/1/18	Thu 7/2/20
9	Final CSR with requisite certifications	65.25 mor	Fri 6/30/17	Thu 6/30/22



Project: Milestone Schedule.mp
Date: Mon 1/21/19

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			