First Semi-Annual Progress Report
Georgia DOT – Jesup District Office
Jesup, Wayne County, Georgia
S&ME Project No. 4468-14-083A

PREPARED FOR:

Georgia Department of Natural Resources
Environmental Protection Division
Land Protection Branch - Response & Remediation Program
2 Martin Luther King Jr. Dr., SE
Suite 1054 East
Atlanta, Georgia 30334

PREPARED BY:

S&ME, Inc.
3380 Town Point Drive, Suite 140
Kennesaw, GA 30144

November 30, 2018

November 30, 2018

Georgia Department of Natural Resources
Environmental Protection Division
Land Protection Branch - Response & Remediation Program
2 Martin Luther King Jr. Dr., SE
Suite 1054 East
Atlanta, Georgia 30334

Attention: Ms. Antonia Beavers

Reference: **First Semi-Annual Progress Report**
Georgia DOT - Jesup District Office
204 North Highway 301
Jesup, Wayne County, Georgia
HSI No. 10742
S&ME Project No. 4468-14-083A

Dear Ms. Beavers:

S&ME, Inc. (S&ME) is pleased to provide this Progress Report on behalf of Georgia Department of Transportation (GDOT) Office of Materials and Testing for the above-referenced site. Two paper copies and two (2) electronic copies of this report are provided in Portable Document Format (PDF) for your use.

Should you have any questions or concerns regarding this report, please contact any of the undersigned at (770) 919-0969.

Sincerely,

S&ME, Inc.

William J. Wagner, Jr., P.E.
Project Engineer

Peter Fleury, Jr.,
Senior Project Manager

cc: Mr. Jim Clute, State Facilities Manager, GDOT
Mr. Reginald Murph, Environmental Testing Branch Supervisor, GDOT

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1.0 Introduction

The Georgia Department of Transportation (GDOT) - Jesup District Office property, hereinafter referred to as the "subject property," is located at 204 North Highway 301 in Jesup, Wayne County, Georgia, and is currently owned and operated by the GDOT. A topographic map and site aerial map detailing the subject property location and surrounding areas are included as Figures 1 and 2, respectively.

The GDOT submitted a Hazardous Site Response Act (HSRA) Release Notification for the subject property in March 1994. Subsequently the Georgia Environmental Protection Division (EPD) assigned the subject property Hazardous Sites Inventory (HSI) No. 10742. The subject property was added to the HSI due to the confirmed release of 1,1,1-trichloroethane (TCA) and other chemical of concerns (COCs) to soil and groundwater at levels exceeding the respective reportable quantity. A site map depicting groundwater monitoring wells and injection wells installed during assessment activities is included as Figure 3.

S&ME, on behalf of GDOT, submitted a Voluntary Investigation and Remediation Plan (VIRP), dated March 27, 2017, to the EPD. The EPD responded with comments regarding the VIRP in a correspondence dated September 29, 2017.

This Progress Report addresses the September 2017 EPD Comment Letter, the installation of two additional delineation monitoring wells, and the limited groundwater monitoring event that was performed in October 2018.

2.0 Response to EPD Comments

The EPD comments outlined in the EPD Comment letter, dated September 29, 2017, followed by the affiliated responses, is provided in Appendix I. A copy of the referenced EPD letter is also included in Appendix I.

Supplemental information is discussed in the following sections of this report. Specifically, information/findings associated with the comprehensive groundwater monitoring event.

3.0 Current Investigation

3.1 Monitoring Well Installation

S&ME mobilized to the site on October 3, 2018 to observe the installation of one Type III deep monitoring well (MW-25) and one Type II shallow monitoring well (MW-26) for further delineation purposes.

Monitoring well MW-25 installed using Sonic drilling techniques. The borehole was advanced by directly pushing a 8-inch outer diameter (OD) carbon steel casing to a depth of approximately 55 feet below ground surface (bgs) where a clay lense was encountered. The outer casing remained in place as the borehole was advanced further to a total depth of 75 feet bgs using a 4-inch OD diameter steel casing. The borehole was converted into a two-inch, Schedule 40 PVC groundwater monitoring well with 10 ft. of 0.010-slotted Schedule 40 PVC screen and two-inch diameter solid Schedule 40 PVC riser to within 2.5-inches of the ground surface elevation (gse). A cement/bentonite grout mixture was pumped under pressure from inside the outer steel casing and into the annular space between the borehole and the casing from the bottom of the borehole to surface and the outer

steel casing was removed from the subsurface as the annular space of the borehole was being filled to the surface. The monitoring well was completed with flush-mount well completion.

Monitoring well MW-26 was also installed using Sonic drilling techniques. The borehole was advanced by directly pushing a 4-inch OD carbon steel casing to a depth of approximately 17 feet bgs. The monitoring well was set at a depth of 15 bgs and constructed using 10 feet of 0.010-inch slotted two-inch diameter Schedule 40 PVC screen and two-inch diameter solid Schedule 40 PVC riser to 2.17 feet above the gse. The monitoring well was completed with a stick-up well completion.

Location of the new monitoring wells are depicted on Figure 3. Well construction diagrams for monitoring wells MW-25 and MW-26 are provided as Appendix II.

3.1.1 *Monitoring Well Development*

Well development of monitoring wells MW-25 and MW-26 was conducted using down-hole whale pumps. Each monitoring well was developed by removing approximately 10 well volumes of groundwater from the well. Development water was temporarily containerized on-site in properly labeled 55-gallon DOT-approved steel drums.

3.1.2 *Investigation Derived Waste (IDW) and Handling*

Soil cuttings, sludge water from direct push drilling activities, and development water were containerized in properly labeled 55-gallon DOT-approved steel drums (a total of 13 drums) and temporarily stored on-site until disposal. The drums were transported off-site and disposed of by Aqua-Terra on November 29, 2018.

3.2 Soil Sampling

During monitoring well drilling, soil samples were collected from the borings in general accordance with the Test Methods for valuating Solid Waste, Physical/Chemical Methods SW-846, Method 5035, as described in the Region 4, EPA SESD operating procedure entitled "Soil Sampling" (Number: SESDPROC-300-R2), dated December 20, 2011. The soil samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260B.

3.2.1 *Soil Sampling Results*

No VOC constituents were detected above their respective laboratory reporting limits.

Soil analytical results are summarized on Table 1. A copy of the laboratory analytical report is included in Appendix III.

3.3 Groundwater Sampling

3.3.1 *Analytical Parameters Selected and Rationale*

3.3.1.1 Groundwater Samples

The contaminants detected in groundwater at the subject property are primarily halogenated VOCs. The groundwater samples collected during the October 2018 sampling event were analyzed for VOCs using EPA Method 8260B. In addition, a groundwater sample was collected from MW-7D and analyzed for Lead using EPA Method 6020B.

3.3.1.2 IDW Samples

Analytical results obtained from groundwater samples collected during the recent groundwater sampling event were used for waste characterization.

3.3.2 *Groundwater Depth Measurements*

Depths to groundwater were measured at various times during groundwater sampling activities using an electronic water level gauge. At a minimum, depths to groundwater were measured immediately prior to purging each well to determine minimum purge volumes.

The depth to groundwater data was used in constructing a potentiometric surface map for the respective aquifer (shallow and deep) at the subject property and estimating groundwater flow direction for the same aquifer. The groundwater flow direction at the site, based on the October 2018 gauging data, was generally to the east, which is consistent with historical events. Potentiometric Surface Maps for the October 2018 gauging event are included as Figures 4A (Shallow Aquifer), Figure 4B (Middle Aquifer), and Figure 4C (Deep Aquifer).

Historical and recent depths to groundwater measurements are summarized on Table 2.

3.3.3 *Groundwater Sampling Methodology and Locations*

3.3.3.1 Equipment and Collection Techniques-Groundwater Monitoring Wells

S&ME attempted to collect groundwater samples from the monitoring wells in general accordance with the low-flow purging method described in the U.S. SESD Athens, Georgia, Groundwater Sampling Operating Procedure (SESDPROC-301-R4, April 2017) guidance document.

During the October 2018 sampling event Grundfos Redi-Flo 2 or Geotech SS, submersible, variable performance, pumps with converter, were used to conduct low-flow purging and sampling in each of the groundwater monitoring wells. New, dedicated, Teflon-lined tubing was used to purge/sample groundwater at each monitoring well.

During the sampling and monitoring event, pump surfaces coming into contact with groundwater were decontaminated prior to use at each monitoring well using the procedures discussed in Section 3.1.7 of this report.

Depth to groundwater was measured at each monitoring well prior to purging for sampling. Initially, the pump intake was placed mid-screen. Depth to water was measured frequently during the purging process. Temperature, specific conductivity, pH and turbidity were measured approximately every 5 to 20 minutes during purging. Instruments used to measure purging parameters were calibrated a minimum of once a day prior to use using standard calibration fluids prepared and supplied by the manufacturer.

When applicable, samples were collected after stabilization of the intrinsic parameters had occurred. Parameter stabilization consisted of three consecutive measurements with:

- Temperature within + 0.5 degree Celsius (°C),
- pH within + 0.1 Standard Units (SUs),
- Specific conductance [milliseconds per centimeter (ms/cm)] within 10%, and
- Turbidity <10 NTUs (in some cases the turbidity did not reduce to this level).

If depth to groundwater could not be maintained within +0.3 feet or if a steady flow of water from the sampling tubing could not be maintained while maintaining a steady depth to groundwater, the well was either:

- Purged of three to five well volumes of water using the applicable pump and sampled with the pump and tubing once intrinsic parameters had stabilized. Parameters were measured after the removal of each well volume, or
- Pumped or bailed dry (due to slow recharge rates), and allowed to recharge before sampling with the purging pump or teflon bailer.

Groundwater samples were collected either immediately after purging (e.g. during low flow sampling) or by end of the purging day if the well was purged dry or a sufficient volume of water remained in the well for sampling after purging had occurred.

Copies of purging/sampling records and field notes are provided in Appendix IV. Deviations from standard operating procedures were noted in purging/sampling records or field notes along with justification for deviations. Purge volumes are summarized on Table 3A. Intrinsic parameter readings collected during purging activities are summarized on Table 3B.

3.3.4 *Filling of Bottles for VOC Analysis*

Care was taken to insure that preservative was not lost due to overfilling of the vials. The vials were filled until a reverse meniscus was created at the top of each vial and the vial caps were placed directly over the vial opening and tightened. Vials were then visually checked for air bubbles by turning upside down and gently tapping against the arm.

3.3.5 *Groundwater Sample Analysis and Handling*

Groundwater samples were handled in general accordance with the U.S. EPA, Region 4, SESD, Athens, Georgia, Field Sampling Quality Control (SESDPROC-301-R4, April 2017) guidance document.

3.3.5.1 Chain-of-Custody Procedures

Samples were labeled with the name of the facility, sample date, sample time, sample location, and sampler's name. At the completion of the sampling event, the samples were transported in laboratory-supplied coolers to Pace Analytical (Pace) in Peachtree Corners, Georgia. Each transfer of custody was documented with an appropriate signature, date, and time on the chain-of-custody.

3.3.5.2 Laboratory Analytical Techniques

Samples collected for VOC analyses were analyzed using EPA Method 8260B. A sample collected for lead analyses was analyzed using EPA Method 6020B.

3.3.6 *Field Quality Assurance/Quality Control Samples*

The following Quality Assurance/Quality Control samples were collected and analyzed as follows.

3.3.6.1 Blind Duplicate Groundwater Samples

Duplicate groundwater samples were collected at approximately 10% of the sampling locations during the October 2018 sampling event.

Blind, duplicate, groundwater samples were collected by collecting twice as much material as normally collected for a sample from any one location/interval. The material was then apportioned into two sets of containers. One of the sets of containers was designated as the "original sample", and the second set of containers was designated as the "duplicate sample". "Duplicate samples" were labeled with a false name and sampling time. Actual sample locations, dates, and times were recorded in the investigation field book(s) for all the samples as well as the false names and sample times for the "duplicate samples". Both the "original samples" and the "duplicate samples" were analyzed by Pace in Peachtree Corners, Georgia. "Duplicate" groundwater samples were analyzed for the same constituents as the "original samples" in general accordance with the SESDPROC-011-R5 guidance document.

The duplicate samples were collected to measure sample handling variability, intra-laboratory precisions and to estimate the variability of a given characteristic or contaminant associated with a population.

3.3.6.2 Equipment Blanks

Equipment blanks were collected and analyzed in general accordance with the SESDPROC-011-R5 guidance document.

3.3.6.3 Temperature Blanks

A container of D.I. water, prepared by Pace, was placed in each sample cooler containing groundwater, or QA/QC samples at the time of sample collection and was submitted with the samples to the laboratory. The temperature blanks were tested for temperature by the laboratory upon sample receipt to determine if samples were maintained at the proper temperature.

QA/QC samples collected during the recent monitoring activities conducted by S&ME, along with analytical methods, are summarized on Table 4. Sample/cooler non-conformances and resolutions for the QA/QC samples are also summarized on Table 4.

3.3.7 *Decontamination Procedures*

Groundwater samples were collected using an electric submersible pump with Teflon-lined tubing. Reusable groundwater metal or glass sampling equipment was field decontaminated as follows:

- First stage: Scrubbing with a detergent and potable water (or distilled water) mixture;
- Second stage: Rinsing twice with potable water (or distilled water);
- Third stage: Rinsing twice with laboratory-grade, analyte-free, deionized water;

Decontaminated equipment was then allowed to air dry completely. If the equipment was not to be used immediately after air drying, it was covered with plastic. All plastic (polyethylene) or Teflon® sampling equipment used during the investigation was new, dedicated, single use and factory-sealed.

3.3.8 *IDW Handling*

Purged groundwater and decontamination water were containerized in properly labeled 55-gallon DOT-approved steel drums (a total of 2 drums) and temporarily stored on-site until disposal. Drummed water was transported off-site and disposed of by Aqua-Terra on November 29, 2018.

4.0 Groundwater Analytical Results

Groundwater was collected from monitoring wells MW-1, MW-1A, MW-1B, MW-2, MW-2A, MW-3A, MW-6, MW-6A, MW-6E, MW-7, MW-7A, MW-7D, MW-9, MW-9A, MW-17, MW-20 through MW-23, MW-23A, MW-25, and MW-26 in October 2018. The laboratory analytical reports are provided in Appendix V.

4.1 Groundwater Sampling

The VOCs Trichloroethene (TCE), 1,4-Dioxane, 1,1-Dichloroethene (DCE), cis-1,2-DCE, 1,1-Dichloroethane (DCA), and 1,1,1- Trichloroethane (TCA) were detected in the groundwater samples collected during the sampling event.. The following monitoring wells reported VOC constituents above the site-specific risk reduction standards (RRSs):

- MW-3A: 1,1-DCE (9.0 milligram per liter [mg/L]) – This exceeds the Type 1 and Type 4 RRS
- MW-3A: 1,1,1-TCA (0.910 mg/L) - This exceeds the Type 1 RRS
- MW-3E (MW-3A Blind Duplicate): TCE (0.066 mg/L) - This exceeds the Type 1 and Type 4 RRS
- MW-7A: 1,1-DCE (0.10 mg/L) – This exceeds the Type 1 RRS
- MW-7D: 1,1-DCE (0.31 mg/L) – This exceeds the Type 1 RRS
- MW-9A: 1,1-DCE (0.45 mg/L) - This exceeds the Type 1 RRS
- MW-25: 1,1-DCE (0.33 mg/L) - This exceeds the Type 1 RRS
- MW-26: 1,1-DCE (0.025 mg/L) - This exceeds the Type 1 RRS

Lead was not detected above its laboratory reporting limit from the groundwater sample collected from MW-7D.

Sample locations, laboratory used, requested analyses, and analytical results for the groundwater samples are summarized on Table 5; which also summarize historical groundwater analytical results. Current groundwater analytical results in relation to applicable RRSs are summarized in Table 6. Historical groundwater sample analytical results for metals are summarized in Table 7. Groundwater analytical results (VOCs) from the October 2018 sampling event are illustrated on Figure 5A (Shallow Aquifer), Figure 5B (Middle Aquifer), and Figure 5C (Deep Aquifer).

5.0 Site Specific Exposure Pathways

Site specific exposure pathways are determined to be complete for soil based on soils being delineated to Type 1 RRSs.

Vapor intrusion risk was evaluated using EPA's Vapor Intrusion Screening Level (VISL) calculator. Several VOCs exceed a target cancer risk (TCR) level of 1.0E-05 and/or a target hazard quotient (THQ) of 1.0; therefore, the exposure pathway for vapor intrusion is incomplete.

Exposure pathways are determined complete for middle and deep groundwater aquifers to the east based on wells MW-6 and MW-6E being delineated to below Type 1 or Type 3 RRSs.

The exposure pathway is determined incomplete for shallow groundwater aquifer to the east based on the sample from monitoring well MW-26 exceeding the Type 1 RRS for 1,1-DCE.

6.0 Point of Exposures

Monitoring wells MW-26, MW-2D, and MW-6E are designated as point of demonstration (POD) wells for the shallow, middle, and deep aquifers, respectively. The corresponding point of exposures (POEs) are considered to be along the eastern property boundary ranging approximately 180 to 950 feet east of these wells.

7.0 Conclusions

VOC concentrations in the groundwater sample collected from MW-3A exceeded its RRS (Type 4) for 1,1-DCE and TCE (Blind Duplicate – MW-3E). Vinyl chloride, 1,2-DCA, and 1,1,2-TCA were reported below laboratory detection limits from the groundwater sample collected from MW-3A; however, the detection limits are greater than the respective RRSs.

VOC delineation to Type 1 RRSs appears to be delineated to the north, south, and west. Only the VOC constituent of 1,1-DCE is shown not delineated (below Type 1 RRS) to the east.

Additionally, potentiometric data indicates the water table has dropped an average of 1.15 feet since the previous monitoring event in November 2016 event except in monitoring well MW-1, MW-6, MW-6A, and MW-14 (rose an average of 0.37 feet).

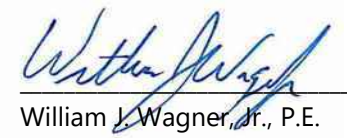
8.0 Recommendations

S&ME recommends an additional groundwater sampling event be conducted. The recommended groundwater sampling event will be comprehensive to include all monitoring wells.

9.0 Groundwater Scientist and Certification Statement

We certify that we are qualified groundwater scientists who have received baccalaureate or post-graduate degrees in the natural sciences or engineering, and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable us to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport.

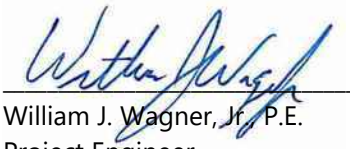
We further certify that this report (First Semi-Annual Progress Report for Georgia Department of Transportation, HSI Site No. 10742, 204 North Highway 301, Jesup, Wayne County, Georgia) was prepared by us and appropriate qualified professionals working under our direction in accordance with a system designed to ensure that qualified personnel properly evaluated the information submitted. Based on our inquiry of the persons who prepared this report, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



William J. Wagner, Jr., P.E. — Date: 11/30/18
State of Georgia Professional Engineer No. 031309

10.0 Electronic Report Copy Certification

I certify that the enclosed report (First Semi-Annual Progress Report for Georgia Department of Transportation, HSI Site No. 10742, 204 North Highway 301, Jesup, Wayne County, Georgia) and associated data files, provided on two (2) compact discs (CDs) in Portable Document Format (PDF), are complete and identical to the paper copy of the report submitted concurrently with these CDs and are virus free.



William J. Wagner, Jr., P.E. — Date: 11/30/18
Project Engineer
S&ME, Inc.

11.0 Certification of Compliance with Risk Reduction Standards

I certify under penalty of law that this report and all attachments were prepared under my direction in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

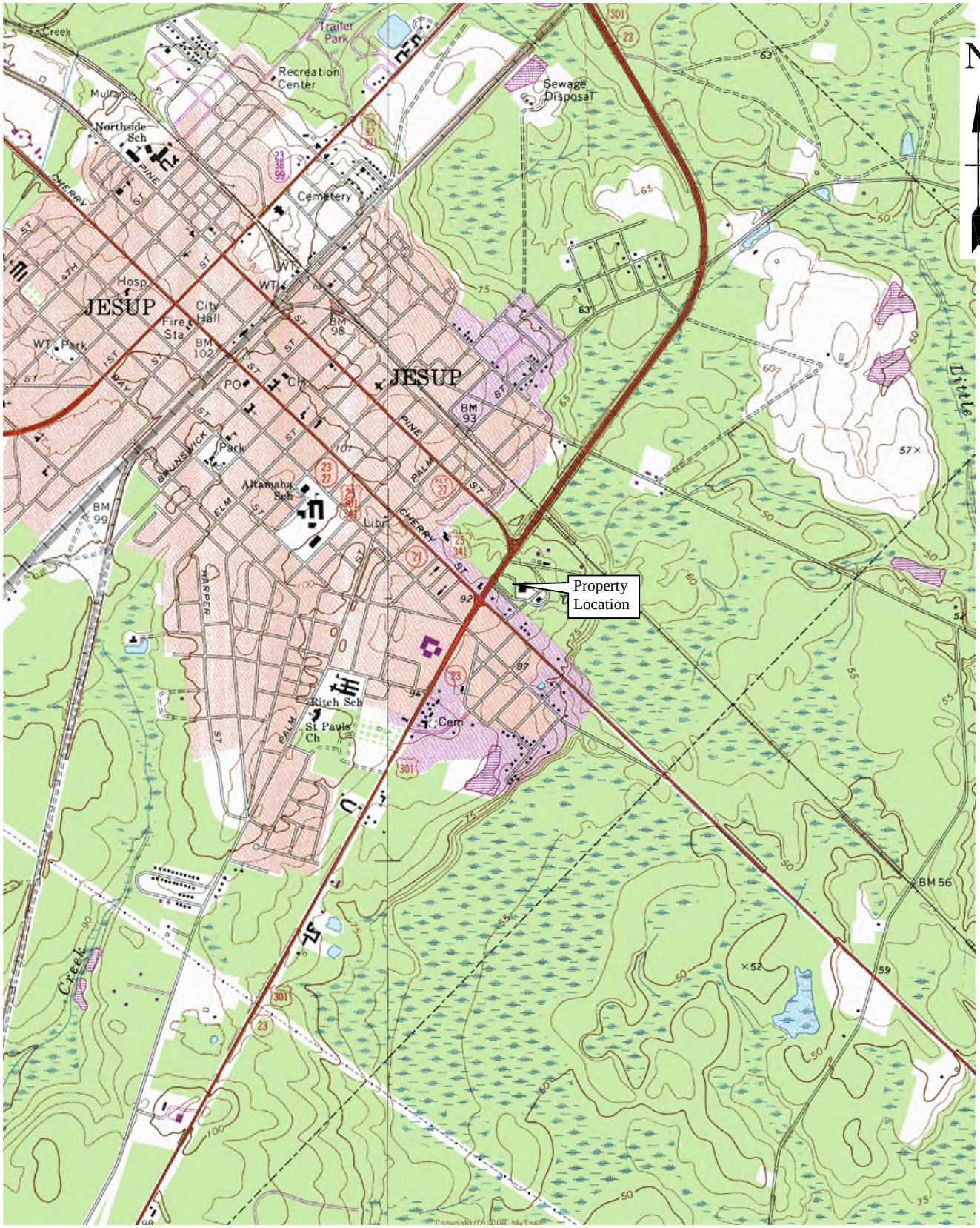
Based on my review of the findings of this report with respect to the Risk Reduction Standards of the Rules of Hazardous Site Response, Rule 391-3-19-07, I have determined the Georgia Department of Transportation, HSI Site No. 10742, 204 North Highway 301, Jesup, Wayne County, Georgia is currently in compliance with Type 1 Risk Reduction Standards for soil, as per the Georgia Hazardous Site Response Act.

State Facilities Manager — 11/30/2018

Mr. James Clute
Georgia Department of Transportation

Date

Figures



Source: 1970 Jesup East, GA Quadrangle Map, Revised 1988

SCALE: 1:24000		**USGS Topographic Map**
CHECKED BY: BJW		Project: Jesup DOT – District Office Location: 204 North Hwy. 301, Jesup, Wayne, County, Georgia Number: 4468-14-083A
DRAWN BY: RC		Figure No. 1
DATE: 11-12-18		

LEGEND

PROPERTY BOUNDARY

POE POINT OF EXPOSURE LIMIT

SCALE

0 400 FT.

	AERIAL MAP	SCALE: AS SHOWN	FIGURE NO. 2
	GEORGIA DEPARTMENT OF TRANSPORTATION 204 NORTH HWY 301 JESUP, WAYNE COUNTY, GEORGIA	DATE: 11/13/18 PROJECT NUMBER 4468-14-083A	

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N

ACCESS TO HWY. 301

ACCESS TO HWY 25

ACCESS TO HWY. 301

MAIN BLDG. BRICK BLDG.

TX

GEN.

ASPH.

A/C UNITS

CONC.

LAB BRICK BLDG.

SHED

SHED

SHED

MW-5

MW-11

MW-20

MW-21

MW-19

MW-19A

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

MW-10

CHAIN LINK FENCE

METAL BLDG. SIGN SHOP

CANOPY

CONC.

GRAVEL

FARMER SEPTIC TANK / DRAIN FIELD AREA

FLUME

GATE

MW-7

MW-7A

MW-7D

I-5

I-6

I-7

I-8

MW-1

MW-1A

MW-1B

MW-1C

18" RCP

SW-1

SW-1A

SW-3

MW-2

MW-2A

MW-2B

MW-2D

MW-25 c/L DITCH

MW-3

I-2

MW-22

I-3

SW-2

MW-3A

I-1

12" RCP

MW-23A

MW-23

MOTOR POOL METAL BLDG.

ASPH. WALKING PATH

MW-24

MW-24A

SHED

ASPHALT

ASPHALT

WOOD PAVILION

MW-4

MW-4A

ASPH.

SHED

WOOD BLDG.

O/H

BRICK BLDG.

MW-16

18" RCP

MW-9A

MW-9

SW-7

MW-14

MW-6

MW-6A

MW-6D

MW-6E

SW-8

RAILROAD

30"STEEL PIPE

SW-4

SW-9

SW-5

OFFSITE SURFACE WATER

SW-6

MW-13

MW-8A

MW-8

MW-15

MW-26

MW-18

MW-12

MW-12R

MW-12A

MW-17

0 80 160

GRAPHIC SCALE (IN FEET)

LEGEND

- MONITORING WELL LOCATION (UPPER AQUIFER)
- MONITORING WELL LOCATION (MIDDLE AQUIFER)
- MONITORING WELL LOCATION (DEEP AQUIFER)
- INJECTION WELL LOCATION
- SURFACE WATER SAMPLE LOCATION
- ABANDONED MONITORING WELL LOCATION
- PROPERTY BOUNDARY

SITE MAP

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE: AS SHOWN

DATE: 11/12/18

PROJECT NUMBER: 4468-14-083A

FIGURE NO.: 3

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N

OFFSITE SURFACE WATER

RAILROAD

MW-13 (NG)

MW-14 (78.43)

MW-16 (83.56)

MW-64 (81.02)

ACCESS TO HWY. 301

18" RCP

30" STEEL PIPE

ASPH.

SHED

WOOD BLDG.

BRICK BLDG.

D/H

MW-9 (84.07)

MW-10 (89.00)

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY

CONC.

MW-2A (87.98)

MW-7 (89.41)

MW-26 (81.97)

MW-8 (85.49)

MW-15 (84.37)

MW-18 (83.22)

MW-12 (83.36)

MW-12R (84.10)

MW-17 (83.52)

MW-4A (88.89)

WOOD PAVILION

ASPHALT WALKING PATH

MOTOR POOL METAL BLDG.

MW-23 (92.99)

MW-24 (92.22)

MW-22 (91.72)

C/L DITCH

15" RCP

MW-1A (90.11)

MW-1B (90.16)

FLUME

LEACHER SEPTIC TANK/ DRAIN FIELD AREA

24" RCP

MW-21 (91.37)

MW-11 (93.33)

MW-19 (92.31)

LAB BRICK BLDG.

SHED

CONC.

A/C UNITS

MAIN BLDG. BRICK BLDG.

TX GEN.

ASPH.

ACCESS TO HWY. 25

ASPHALT

80.00 81.00 82.00 83.00 84.00 85.00 86.00 87.00 88.00 89.00 90.00 91.00 92.00 93.00

0 80 160

GRAPHIC SCALE (IN FEET)

LEGEND

MONITORING WELL LOCATION (UPPER AQUIFER)

(72.00) GROUNDWATER ELEVATION

GROUNDWATER FLOW DIRECTION

POTENTIOMETRIC CONTOUR LINE

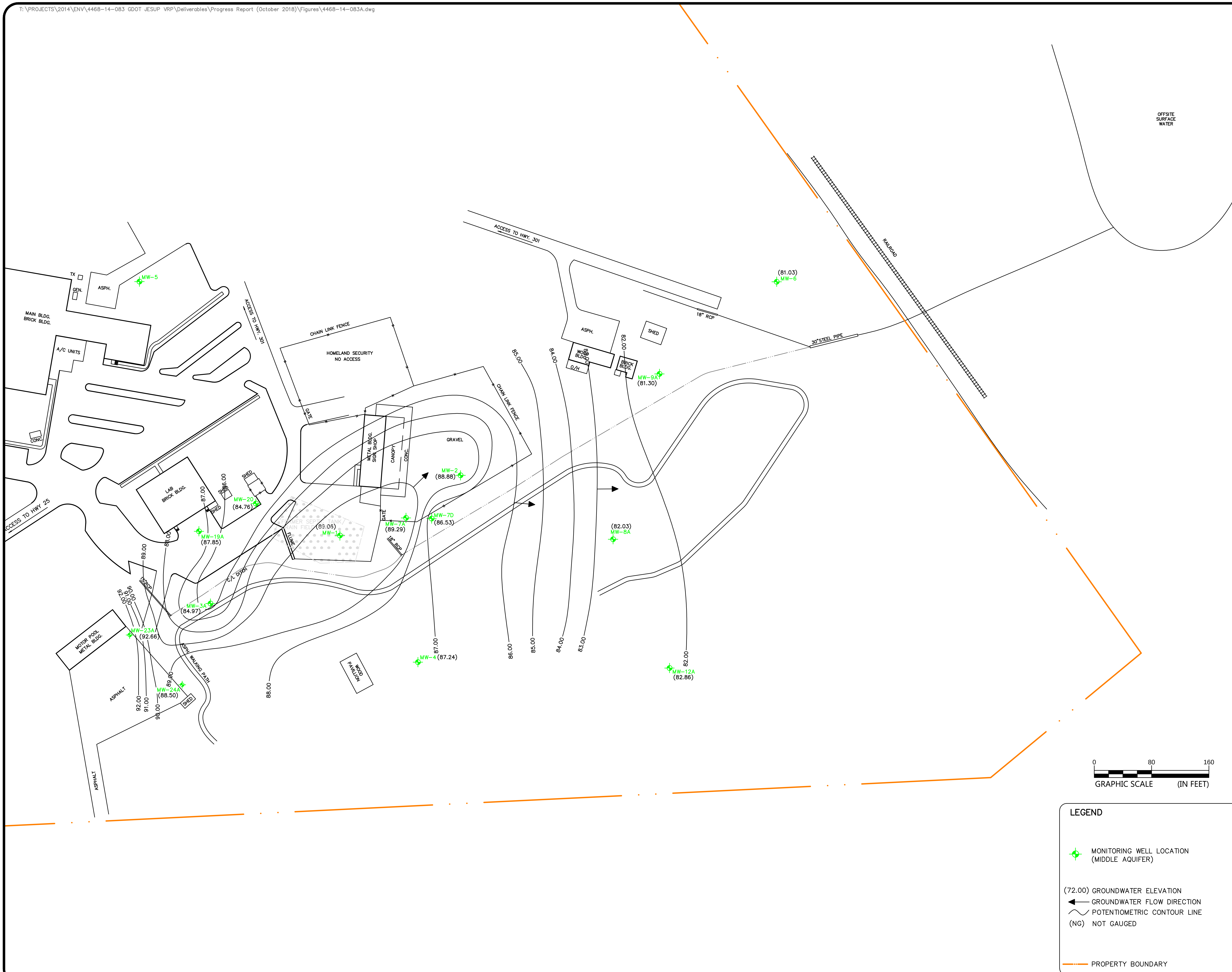
(NG) NOT GAUGED

PROPERTY BOUNDARY

POTENTIOMETRIC SURFACE MAP - UPPER AQUIFER (OCTOBER 2018)

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE:	AS SHOWN
DATE:	11/12/18
PROJECT NUMBER	4468-14-083A
FIGURE NO.	4A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N
OFFSITE SURFACE WATER
RAILROAD
ACCESS TO HWY. 301
18" RCP
30" STEEL PIPE
SHED
ASPH.
BRICK BLDG.
O/H
(81.03)
MW-6
MW-9A
(81.30)
MW-5
ASPH.
TX
GEN.
MAIN BLDG. BRICK BLDG.
A/C UNITS
CONC.
ACCESS TO HWY 25
ACCESS TO HWY. 301
CHAIN LINK FENCE
HOMELAND SECURITY NO ACCESS
GATE
CHAIN LINK FENCE
METAL BLDG. SIGN SHOP
CANOPY
CONC.
GRAVEL
MW-2
(88.88)
LAB BRICK BLDG.
SHED
MW-20
(84.76)
MW-19A
(87.85)
MW-1
(83.05)
MW-7A
(89.29)
MW-7D
(86.53)
FLUME
18" RCP
C/L DITCH
MW-3A
(84.97)
MW-23A
(92.66)
MOTOR POOL METAL BLDG.
ASPHALT
MW-24A
(88.50)
SHED
ASPH. WALKING PATH
WOOD PAVILLION
MW-4
(87.24)
(82.03)
MW-8A
MW-12A
(82.86)
ASPHALT
92.00
91.00
90.00
89.00
88.00
87.00
86.00
85.00
84.00
83.00
82.00
0
80
160
GRAPHIC SCALE
(IN FEET)
LEGEND
MONITORING WELL LOCATION (MIDDLE AQUIFER)
(72.00) GROUNDWATER ELEVATION
GROUNDWATER FLOW DIRECTION
POTENTIOMETRIC CONTOUR LINE
(NG) NOT GAUGED
PROPERTY BOUNDARY

POTENTIOMETRIC SURFACE MAP - MIDDLE AQUIFER
(OCTOBER 2018)

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE:	AS SHOWN
DATE:	11/12/18
PROJECT NUMBER	4468-14-083A
FIGURE NO.	4B

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N

OFFSITE SURFACE WATER

RAILROAD

ACCESS TO HWY. 301

18" RCP

ASPH.

SHED

WOOD BLDG.

BRICK BLDG.

O/H

MW-6E (69.97)

30" STEEL PIPE

70.00

71.00

72.00

73.00

74.00

75.00

76.00

77.00

78.00

79.00

80.00

81.00

82.00

83.00

84.00

MW-2D (81.32)

MW-25 (84.69)

c/L DITCH

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY

CONC.

FARMER SEPTIC TANK / DRAIN FIELD AREA

FLUME

18" RCP

12" RCP

MAIN BLDG. BRICK BLDG.

TX

GEN.

ASPH.

A/C UNITS

CONC.

LAB BRICK BLDG.

SHED

SHED

SHED

ACCESS TO HWY. 25

MOTOR POOL METAL BLDG.

ASPHALT

SHED

ASPHALT

ASPH. WALKING PATH

WOOD PAVILION

0 80 160

GRAPHIC SCALE (IN FEET)

LEGEND

- MONITORING WELL LOCATION (DEEP AQUIFER)
- (72.00) GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION
- POTENTIOMETRIC CONTOUR LINE
- PROPERTY BOUNDARY

POTENTIOMETRIC SURFACE MAP - DEEP AQUIFER (OCTOBER 2018)

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE:	AS SHOWN
DATE:	11/12/18
PROJECT NUMBER	4468-14-083A
FIGURE NO.	4C

T:\PROJECTS\2014\ENV\4468-14-083 GDOT JESUP VRP\Deliverables\Progress Report (October 2018)\Figures\4468-14-083A.dwg

N

OFFSITE SURFACE WATER

RAILROAD

ACCESS TO HWY. 301

MW-14 NS

MW-13 NS

MW-16 NS

MW-6A <RL

18" RCP

30"STEEL PIPE

ASPH.

SHED

WOOD BLDG.

BRICK BLDG.

O/H

MW-9 DCE 0.0041

TX

GEN.

ASPH.

MAIN BLDG. BRICK BLDG.

A/C UNITS

CONC.

ACCESS TO HWY. 301

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

NS MW-10

CHAIN LINK FENCE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY

CONC.

MW-2A <RL

DCE 0.0042

MW-7

GATE

18" RCP

ACCESS TO HWY 25

MW-11 NS

LAB BRICK BLDG.

SHED

SHED

MW-2 <RL

SHED

MW-19 NS

DCE 0.0019 C 0.0089

MW-1A MW-1B

DCE 0.0068

FLUME

NS MW-8

NS MW-15

MW-26 DCE 0.025 C 0.0046 E 0.0019

MW-18 NS

15"RCP

C/L DITCH

MW-22

DCE 0.0058

MOTOR POOL METAL BLDG.

MW-23 <RL

ASPH. WALKING PATH

MW-24 NS

ASPHALT

SHED

WOOD PAVILION

MW-4A NS

MW-12 NS

MW-12R NS

MW-17 <RL

ASPHALT

0 80 160

GRAPHIC SCALE (IN FEET)

LEGEND

MONITORING WELL LOCATION (UPPER AQUIFER)

DCE 1,1-DICHLOROETHENE (mg/L)
C 1,1,1 TRICHLOROETHANE (mg/L)
E 1,1-DICHLOROETHANE (mg/L)
<RL LESS THAN REPORTING LIMITS
(NS) NOT SAMPLED
TYPE I RRS DELINEATION
PROPERTY BOUNDARY

GROUNDWATER QUALITY - (OCTOBER 2018) UPPER AQUIFER (VOCs)

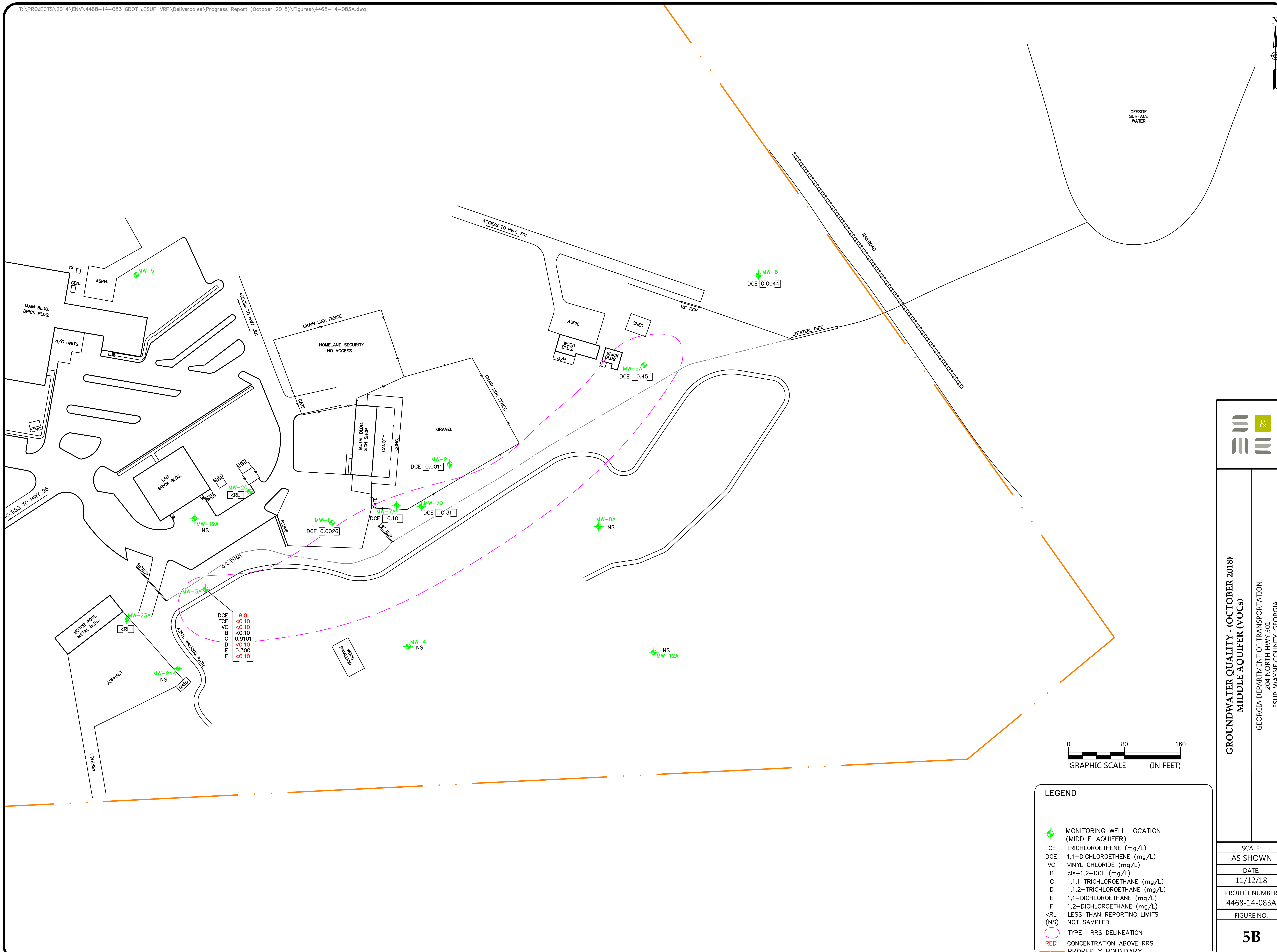
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE: AS SHOWN

DATE: 11/12/18

PROJECT NUMBER 4468-14-083A

FIGURE NO. 5A



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N
OFFSITE SURFACE WATER
RAILROAD
ACCESS TO HWY. 301
18" RCP
30" STEEL PIPE
MW-6
DCE 0.0044
ASPH.
SHED
WOOD BLDG.
O/H
BRICK BLDG.
MW-9A
DCE 0.45
MW-5
TX
ASPH.
GEN.
MAIN BLDG. BRICK BLDG.
A/C UNITS
CONC.
ACCESS TO HWY. 301
CHAIN LINK FENCE
HOMELAND SECURITY NO ACCESS
GATE
METAL BLDG. SIGN SHOP
CANOPY
CONC.
GRAVEL
CHAIN LINK FENCE
MW-2
DCE 0.0011
LAB BRICK BLDG.
SHED
SHED
SHED
MW-20
<RL
MW-19A
NS
ACCESS TO HWY 25
FLUME
MW-1
DCE 0.0026
MW-7A
DCE 0.10
MW-7D
DCE 0.31
18" RCP
MW-8A
NS
C/L DITCH
15" RCP
MW-3A
DCE 9.0
TCE <0.10
VC <0.10
B <0.10
C 0.9101
D <0.10
E 0.300
F <0.10
MOTOR POOL METAL BLDG.
MW-23A
<RL
ASPH. WALKING PATH
WOOD PAVILLION
MW-4
NS
MW-12A
NS
ASPHALT
MW-24A
NS
SHED
ASPHALT
0 80 160
GRAPHIC SCALE (IN FEET)
LEGEND
MONITORING WELL LOCATION (MIDDLE AQUIFER)
TCE TRICHLOROETHENE (mg/L)
DCE 1,1-DICHLOROETHENE (mg/L)
VC VINYL CHLORIDE (mg/L)
B cis-1,2-DCE (mg/L)
C 1,1,1 TRICHLOROETHANE (mg/L)
D 1,1,2-TRICHLOROETHANE (mg/L)
E 1,1-DICHLOROETHANE (mg/L)
F 1,2-DICHLOROETHANE (mg/L)
<RL LESS THAN REPORTING LIMITS
(NS) NOT SAMPLED
TYPE I RRS DELINEATION
RED CONCENTRATION ABOVE RRS
PROPERTY BOUNDARY
GROUNDWATER QUALITY - (OCTOBER 2018)
MIDDLE AQUIFER (VOCs)
GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA
SCALE:
AS SHOWN
DATE:
11/12/18
PROJECT NUMBER
4468-14-083A
FIGURE NO.
5B

T:\PROJECTS\2014\ENV\4468-14-083 GDOT JESUP VRP\Deliverables\Progress Report (October 2018)\Figures\4468-14-083A.dwg

N

ACCESS TO HWY. 301

ASPH.

SHED

WOOD BLDG.

O/H

BRICK BLDG.

18" RCP

MW-6E
DCE 0.006

30"STEEL PIPE

RAILROAD

OFFSITE SURFACE WATER

TX

GEN.

ASPH.

MAIN BLDG. BRICK BLDG.

A/C UNITS

CONC.

ACCESS TO HWY. 301

CHAIN LINK FENCE

HOMELAND SECURITY NO ACCESS

GATE

CHAIN LINK FENCE

GRAVEL

METAL BLDG. SIGN SHOP

CANOPY

CONC.

GATE

MW-2D
NS

18" RCP

ACCESS TO HWY 25

LAB BRICK BLDG.

SHED

SHED

SHED

FLUME

12"RCP

DCE 0.33

MW-25 c/c DITCH

MOTOR POOL METAL BLDG.

ASPHALT

SHED

ASPH. WALKING PATH

WOOD PAVILION

ASPHALT

0 80 160
GRAPHIC SCALE (IN FEET)

LEGEND

- MONITORING WELL LOCATION (DEEP AQUIFER)
- DCE 1,1-DICHLOROETHENE (mg/L)
- (NS) NOT SAMPLED
- TYPE I RRS DELINEATION
- PROPERTY BOUNDARY

GROUNDWATER QUALITY - (OCTOBER 2018) DEEP AQUIFER (VOCs)

GEORGIA DEPARTMENT OF TRANSPORTATION
204 NORTH HWY 301
JESUP, WAYNE COUNTY, GEORGIA

SCALE:	AS SHOWN
DATE:	11/12/18
PROJECT NUMBER	4468-14-083A
FIGURE NO.	5C

Tables

Table 1

Historical Soil Sample Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/kg)
CAS Number

Sample Location	Sample ID	Sample Depth (ft)	Sampled By	Laboratory	Sample Date	Analytical Method	1,1,1-Trichloroethane (71556)	o-Xylene (95476)	Total Xylenes (1330207)
Risk Reduction Standards							**5.44 Type 1**	**198.00 Type 1**	**198.00 Type 1**
B-4	SS #1	5	GDOT	GDOT	7/30/1992	EPD 8260A	**0.0011**	NS	NS
MW-1	SS #1	15	GDOT	GDOT	1/10/1992	EPA 8260A	**0.0102**	NS	NS
	SS #2	24					**0.0210**	NS	NS
	SS #3	40					<0.002	NS	NS
MW-1A	MW-1A	10	GDOT	GDOT	2/22/1993	EPA 8260A	**0.00112**	NS	NS
MW-1B	MW-1B	15	GDOT	GDOT	2/22/1993	EPA 8260A	<0.0010	NS	NS
MW-1C	MW-1C	30	GDOT	GDOT	2/22/1993	EPA 8260A	<0.0010	NS	NS
MW-2A	MW-2A	15	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-2B	MW-2B	30	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-3A	MW-3A (4')	4	S&ME	AES	7/19/2008	EPA 8260B	<0.0063	**0.013**	**0.013**
MW-4A	MW-4A (2-4')	2-4	S&ME	AES	7/15/2008	EPA 8260B	<0.0049	<0.0049	<RL
MW-5	SS #1	8	GDOT	GDOT	7/30/1992	EPA 8260B	<0.002	NS	NS
MW-6A	MW-6A (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0060	<0.0060	<RL
MW-6E	MW-6E (13-15')	13-15	S&ME	AES	7/16/2008	EPA 8260B	<0.0053	<0.0053	<RL
MW-7	MW-7	10	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-7A	MW-7A	20	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-7B	MW-7B	30	GDOT	GDOT	2/3/1993	EPA 8260A	<0.001	NS	NS
MW-8A	MW-8A (0-4')	0-4	S&ME	AES	7/18/2008	EPA 8260B	<0.0056	<0.0056	<RL
MW-9A	MW-9A (2-4')	2-4	S&ME	AES	7/17/2008	EPA 8260B	<0.0067	<0.0067	<RL
MW-12A	MW-12A (45')	45	S&ME	AES	7/17/2008	EPA 8260B	<0.0058	<0.0058	<RL
MW-14	MW-14 (4-6')	4-6	S&ME	AES	7/16/2008	EPA 8260B	<0.0052	<0.0052	<RL
MW-15	MW-15 (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0062	<0.0062	<RL
MW-16	MW-16 (2-4')	2-4	S&ME	AES	7/16/2008	EPA 8260B	<0.0050	<0.0050	<RL
	MW-X (Blind Duplicate)						<0.0061	<0.0061	<RL
MW-17	MW-17 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0050	<0.0050	<RL

Table 1

Historical Soil Sample Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/kg)
CAS Number

Sample Location	Sample ID	Sample Depth (ft)	Sampled By	Laboratory	Sample Date	Analytical Method	1,1,1-Trichloroethane (71556)	o-Xylene (95476)	Total Xylenes (1330207)
Risk Reduction Standards							**5.44 Type 1**	**198.00 Type 1**	**198.00 Type 1**
MW-18	MW-18 (2-4')	2-4	S&ME	AES	7/15/2008	EPA 8260B	<0.0046	<0.0046	<RL
MW-19	MW-19 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0060	<0.0060	<RL
	MW-19 (2-4')	2-4					<0.0056	<0.0056	<RL
MW-19A	MW-19A @ 4	4	S&ME	AES	9/30/2009	EPA 8260B	<0.0042	<0.0042	<RL
MW-20	MW-20 (2')	2	S&ME	AES	7/19/2008	EPA 8260B	<0.0058	<0.0058	<RL
	MW-20 (4')	4					<0.0076	<0.0076	<RL
MW-21	MW-21 (0-2')	0-2	S&ME	AES	7/15/2008	EPA 8260B	<0.0064	<0.0064	<RL
	MW-21 (2-4')	2-4					<0.0060	<0.0060	<RL
MW-22	MW-22 @ 4'	4	S&ME	AES	9/30/2009	EPA 8260B	<0.0041	<0.0041	<RL
SB-1	SB-1 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0026	<0.0026	<RL
SB-2	SB-2 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0028	<0.0028	<RL
SB-3	SB-3 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0023	<0.0023	<RL
SB-4	SB-4 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0031	<0.0031	<RL
SB-5	SB-5 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0028	<0.0028	<RL
SB-6	SB-6 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0024	<0.0024	<RL
SB-7	SB-7 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0025	<0.0025	<RL
SB-8	SB-8 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0027	<0.0027	<RL
SB-9	SB-9 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0026	<0.0026	<RL
SB-10	SB-10 0304	2-4	AquaFusion	AES	2/21/2006	EPA 8260B	<0.0025	<0.0025	<RL
SB-1A	SB-1 (1.5')	1.5	S&ME	AES	8/14/2008	EPA 8260B	<0.0066	<0.0066	<RL
	SB-1 (3.5')	3.5					<0.0067	<0.0067	<RL
SB-2A	SB-2 (1.5')	1.5					<0.0061	<0.0061	<RL
	SB-2 (3.5')	3.5					<0.0060	<0.0060	<RL
MW-23	MW-23 (4')	4	S&ME	AES	6/10/2011	EPA 8260B	<0.0057	<0.0057	<RL
MW-23A	MW-23A (4')	4	S&ME	AES	6/9/2011	EPA 8260B	<0.0062	<0.0062	<RL

Table 1

Historical Soil Sample Analytical Results

Jesup DOT - District Office
HSI Site #10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/kg)
CAS Number

Sample Location	Sample ID	Sample Depth (ft)	Sampled By	Laboratory	Sample Date	Analytical Method	1,1,1-Trichloroethane (71556)	o-Xylene (95476)	Total Xylenes (1330207)
Risk Reduction Standards							**5.44 Type 1**	**198.00 Type 1**	**198.00 Type 1**
MW-24	MW-24 (4')	4	S&ME	AES	6/9/2011	EPA 8260B	<0.0044	<0.0044	<0.0044
MW-24A	MW-24A (4')	4	S&ME	AES	6/8/2011	EPA 8260B	<0.0051	<0.0051	<0.0051
MW-25	MW-25 (3-5')	3-5	S&ME	Pace	10/3/2018	EPA 8260B	<0.0051	NR	<0.0102
MW-26	MW-26 (0-2')	0-2	S&ME	Pace	10/3/2018	EPA 8260B	<0.0050	NR	<0.0101

Notes:

All results in milligram per kilogram

NS = Not Sampled

NR = Not Reported

<RL = Less than reporting limit. No estimated concentration.

1.86/2,000 = RSS for soil collected from 0 feet to 2 feet/greater than 2 feet.

Table 2
Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-1[4]	1/10/2006	81.67	-0.24	81.91	3.74	3.98	54.81	44.81	77.93
	2/7/2006				3.33	3.57			78.34
	3/15/2006				4.09	4.33			77.58
	7/12/2006				5.20	5.44			76.47
	8/2/2006				5.22	5.46			76.45
	8/5/2008	94.56	-0.24	94.80	5.50	5.74	67.33	57.33	89.06
	8/14/2008				5.19	5.43			89.37
	10/7/2009				4.71	4.95			89.85
	2/2/2010				3.22	3.46			91.34
	6/13/2011				6.61	6.85			87.95
	11/7/2011				5.88	6.12			88.68
	1/5/2015				3.85	4.09			90.71
	11/7/2016				4.96	5.20			89.60
	10/8/2018				5.50	5.74			89.06
MW-1A[4]	1/10/2006	81.61	-0.30	81.91	3.67	3.97	81.58	71.58	77.94
	2/7/2006				3.25	3.55			78.36
	3/15/2006				4.01	4.31			77.60
	7/12/2006				5.16	5.46			76.45
	8/2/2006				5.17	5.47			76.44
	8/6/2008	94.48	-0.32	94.80	5.37	5.69	93.93	83.93	89.11
	8/14/2008				5.05	5.37			89.43
	10/7/2009				4.57	4.89			89.91
	2/2/2010				3.26	3.58			91.22
	6/13/2011				6.43	6.75			88.05
	11/7/2011				5.73	6.05			88.75
	1/5/2015				3.75	4.07			90.73
	11/7/2016				4.81	5.13			89.67
	10/8/2018				4.37	4.69			90.11
MW-1B[4]	1/10/2006	81.57	-0.34	81.91	3.58	3.92	73.78	63.78	77.99
	2/7/2006				3.17	3.51			78.40
	3/15/2006				3.94	4.28			77.63
	7/12/2006				5.07	5.41			76.50
	8/2/2006				5.07	5.41			76.50
	8/5/2008	94.45	-0.25	94.70	5.25	5.50	86.31	76.31	89.20
	8/14/2008				4.98	5.23			89.47
	10/7/2009				4.50	4.75			89.95
	2/2/2010				3.21	3.46			91.24
	6/13/2011				6.39	6.64			88.06
	11/7/2011				5.68	5.93			88.77
	1/5/2015				3.67	3.92			90.78
	11/7/2016				4.75	5.00			89.70
	10/8/2018				4.29	4.54			90.16
MW-1C**	11/7/2016	81.57*	-0.34	81.91*	3.59	3.93	32.91	22.91	77.98
	2/7/2006				3.19	3.53			78.38
	3/15/2006				3.94	4.28			77.63
	7/12/2006				5.08	5.42			76.49
	8/2/2006				5.08	5.42			76.49
	8/5/2008				5.32	5.66			76.25
	8/14/2008				5.06	5.40			76.51
	8/20/2008	Abandoned							
MW-2[4]	1/10/2006	80.05	0.12	79.93	3.09	2.97	53.73	43.73	76.96
	2/7/2006				2.72	2.60			77.33
	3/15/2006				3.64	3.52			76.41
	7/12/2006				4.78	4.66			75.27
	8/2/2006				4.57	4.45			75.48
	8/6/2008	92.70	-0.20	92.90	4.73	4.93	66.77	56.77	87.97
	8/14/2008				4.37	4.57			88.33
	10/7/2009				3.95	4.15			88.75
	2/2/2010				2.46	2.66			90.24
	6/13/2011				5.69	5.89			87.01
	11/7/2011				4.98	5.18			87.72
	1/5/2015				3.11	3.31			89.59
	11/7/2016				4.21	4.41			88.49
	10/8/2018				3.82	4.02			88.88

Table 2
Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-2A[4]	1/10/2006	79.87	-0.06	79.93	4.27	4.33	72.13	62.13	75.60
	2/7/2006				3.87	3.93			76.00
	3/15/2006				4.81	4.87			75.06
	7/12/2006				5.95	6.01			73.92
	8/2/2006				5.74	5.80			74.13
	8/7/2008	92.58	-0.32	92.90	5.32	5.64	84.78	74.78	87.26
	8/14/2008				5.00	5.32			87.58
	10/13/2009				4.75	5.07			87.83
	2/2/2010				3.72	4.04			88.86
	6/13/2011				6.29	6.61			86.29
	11/7/2011				5.47	5.79			87.11
	1/5/2015				4.21	4.53			88.37
	11/7/2016				4.90	5.22			87.68
	10/8/2018				4.60	4.92			87.98
MW-2B	1/10/2006	79.70	-0.23	79.93	2.98	3.21	56.63	46.63	76.72
	2/7/2006				2.60	2.83			77.10
	3/15/2006				3.54	3.77			76.16
	7/12/2006				4.68	4.91			75.02
	8/2/2006				4.48	4.71			75.22
	8/5/2008	Abandoned							
MW-2D[5]	8/2/2006	77.21	2.34	74.87	4.63	2.29	10.87	0.87	72.58
	8/7/2008	93.49	2.29	91.20	13.23	10.94	27.49	17.49	80.26
	8/14/2008				12.93	10.64			80.56
	10/8/2009				12.01	9.72			81.48
	2/2/2010				10.86	8.57			82.63
	6/13/2011				13.82	11.53			79.67
	11/7/2011				13.35	11.06			80.14
	1/5/2015				11.20	8.91			82.29
	11/7/2016				12.99	10.70			80.50
	10/8/2018				12.17	9.88			81.32
MW-3A[6]	7/29/2008	99.43	2.83	96.60	13.45	10.62	51.60	41.60	85.98
	8/14/2008				13.10	10.27			86.33
	10/8/2009				12.19	9.36			87.24
	2/2/2010				10.87	8.04			88.56
	6/13/2011				14.53	11.70			84.90
	11/7/2011				13.83	11.00			85.60
	1/5/2015				11.61	8.78			87.82
	11/7/2016				17.81	14.98			81.62
	10/8/2018				14.46	11.63			84.97
MW-4[4]	1/10/2006	81.94	1.78	80.16	5.75	3.97	45.36	34.36	76.19
	2/7/2006				5.36	3.58			76.58
	3/15/2006				6.31	4.53			75.63
	7/12/2006				7.57	5.79			74.37
	8/2/2006				7.57	5.79			74.37
	8/12/2008	94.84	2.04	92.80	7.63	5.59	60.02	50.02	87.21
	8/14/2008				8.01	5.97			86.83
	10/8/2009				7.05	5.01			87.79
	2/2/2010				5.50	3.46			89.34
	6/13/2011				9.06	7.02			85.78
	11/7/2011				8.12	6.08			86.72
	1/5/2015				6.11	4.07			88.73
	11/7/2016				8.78	6.74			86.06
	10/8/2018				7.60	5.56			87.24
MW-4A[6]	7/29/2008	95.63	3.23	92.40	7.01	3.78	89.40	74.40	88.62
	8/14/2008				7.48	4.25			88.15
	10/13/2009				6.93	3.70			88.70
	2/2/2010				4.25	1.02			91.38
	6/13/2011				8.74	5.51			86.89
	11/7/2011				7.85	4.62			87.78
	1/5/2015				5.43	2.20			90.20
	11/7/2016				7.18	3.95			88.45
	10/8/2018				6.74	3.51			88.89

Table 2
Groundwater Elevations

Jesup DOT - District Office
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Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-5[4]	1/10/2006	86.24	1.29	84.95	4.81	3.52	50.35	40.35	81.43
	2/7/2006				4.40	3.11			81.84
	3/15/2006				5.32	4.03			80.92
	7/12/2006				6.96	5.67			79.28
	8/2/2006				6.96	5.67			79.28
	8/12/2008	99.07	1.37	97.70	7.35	5.98	64.32	54.32	91.72
	8/14/2008				7.32	5.95			91.75
	10/8/2009				6.40	5.03			92.67
	2/2/2010				4.14	2.77			94.93
	6/13/2011				8.47	7.10			90.60
	11/7/2011				8.08	6.71			90.99
	1/5/2015				5.35	3.98			93.72
	11/7/2016				6.74	5.37			92.33
	10/8/2018				6.10	4.73			92.97
MW-6[4]	2/7/2006	74.92	3.20	71.72	5.73	2.53	44.22	34.22	69.19
	3/15/2006				6.65	3.45			68.27
	7/12/2006				8.29	5.09			66.63
	8/2/2006				8.11	4.91			66.81
	8/7/2008	87.72	2.12	85.60	7.25	5.13	60.47	50.47	80.47
	8/14/2008				6.96	4.84			80.76
	10/20/2009				6.48	4.36			81.24
	2/2/2010				5.72	3.60			82.00
	6/13/2011				8.40	6.28			79.32
	11/7/2011				7.37	5.25			80.35
	1/5/2015				5.86	3.74			81.86
	11/7/2016				6.58	4.46			81.14
	10/8/2018				6.69	4.57			81.03
MW-6A[6]	7/30/2008	88.35	2.75	85.60	7.21	4.46	81.60	71.60	81.14
	8/14/2008				7.40	4.65			80.95
	10/15/2009				7.30	4.55			81.05
	2/2/2010				6.31	3.56			82.04
	6/13/2011				8.91	6.16			79.44
	11/7/2011				7.92	5.17			80.43
	1/5/2015				6.46	3.71			81.89
	11/7/2016				7.20	4.45			81.15
	10/8/2018				7.33	4.58			81.02
MW-6D	8/2/2006	70.5	0.5	70.0	3.67	NA	6.01	-3.99	NA
	8/7/2008	Abandoned							
MW-6E	7/30/2008	87.67	3.17	84.50	19.23	16.06	20.50	10.50	68.44
	8/14/2008				19.21	16.04			68.46
	10/15/2009				17.97	14.80			69.70
	2/2/2010				16.85	13.68			70.82
	6/13/2011				19.82	16.65			67.85
	11/7/2011				20.56	17.39			67.11
	1/5/2015				17.81	14.64			69.86
	11/7/2016				19.00	15.83			68.67
	10/8/2018				17.70	14.53			69.97
MW-7	1/10/2006	81.17	0.00	81.17	3.96	3.96	68.12	58.12	77.21
	2/7/2006				3.58	3.58			77.59
	3/15/2006				4.32	4.32			76.85
	7/12/2006				5.33	5.33			75.84
	8/2/2006				5.33	5.33			75.84
	8/5/2008	94.05	-0.15	94.20	5.55	5.70	80.98	70.98	88.50
	8/14/2008				5.19	5.34			88.86
	10/7/2009				4.78	4.93			89.27
	2/2/2010				3.50	3.65			90.55
	6/13/2011				6.58	6.73			87.47
	11/7/2011				5.74	5.89			88.31
	1/5/2015				3.90	4.05			90.15
	11/7/2016				4.90	5.05			89.15
	10/8/2018				4.64	4.79			89.41

Table 2
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Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-7A	1/10/2006	81.23	0.00	81.23	4.03	4.03	58.20	48.20	77.20
	2/7/2006				3.63	3.63			77.60
	3/15/2006				4.37	4.37			76.86
	7/12/2006				5.39	5.39			75.84
	8/2/2006				5.42	5.42			75.81
	8/12/2008	94.04	-0.16	94.20	5.40	5.56	70.89	60.89	88.64
	8/14/2008				5.48	5.64			88.56
	10/15/2009				4.86	5.02			89.18
	2/2/2010				3.51	3.67			90.53
	6/13/2011				6.64	6.80			87.40
	11/7/2011				5.92	6.08			88.12
	1/5/2015				4.06	4.22			89.98
	11/7/2016				5.14	5.30			88.90
	10/8/2018				4.75	4.91			89.29
MW-7D	7/12/2006	81.94	1.76	80.18	7.68	5.92	41.18	31.18	74.26
	8/2/2006				7.68	5.92			74.26
	8/6/2008	94.79	1.79	93.00	8.55	6.76	55.99	45.99	86.24
	8/14/2008				8.47	6.68			86.32
	10/15/2009				7.78	5.99			87.01
	2/2/2010				6.28	4.49			88.51
	6/13/2011				9.71	7.92			85.08
	11/7/2011				8.60	6.81			86.19
	1/5/2015				5.60	3.81			89.19
	11/7/2016				8.84	7.05			85.95
	10/8/2018				8.26	6.47			86.53
MW-8	3/15/2006	77.65	1.83	75.82	4.69	2.86	66.82	56.82	72.96
	7/12/2006				5.29	3.46			72.36
	8/2/2006				5.29	3.46			72.36
	8/8/2008	90.28	1.88	88.40	4.81	2.93	80.04	70.04	85.47
	8/14/2008				4.76	2.88			85.52
	10/13/2009				4.65	2.77			85.63
	2/2/2010				2.57	0.69			87.71
	6/13/2011				6.57	4.69			83.71
	11/7/2011				5.34	3.46			84.94
	1/5/2015				3.92	2.04			86.36
	11/7/2016				5.14	3.26			85.14
	10/8/2018				4.79	2.91			85.49
MW-8A	7/31/2008	91.58	2.88	88.70	9.16	6.28	48.70	38.70	82.42
	8/14/2008				9.01	6.13			82.57
	10/14/2009				8.70	5.82			82.88
	2/2/2010				7.68	4.80			83.90
	6/13/2011				10.69	7.81			80.89
	11/7/2011				9.53	6.65			82.05
	1/5/2015				8.20	5.32			83.38
	11/7/2016				9.16	6.28			82.42
	10/8/2018				8.75	5.87			82.83
MW-9	3/15/2006	77.08	1.43	75.65	5.65	4.22	66.65	56.65	71.43
	7/12/2006				5.68	4.25			71.40
	8/2/2006				5.68	4.25			71.40
	8/7/2008	89.85	1.45	88.40	6.24	4.79	79.40	69.40	83.61
	8/14/2008				5.95	4.50			83.90
	10/7/2009				5.78	4.33			84.07
	2/2/2010				5.06	3.61			84.79
	6/13/2011				7.49	6.04			82.36
	11/7/2011				6.23	4.78			83.62
	1/5/2015				5.41	3.96			84.44
	11/7/2016				5.90	4.45			83.95
	10/8/2018				5.78	4.33			84.07
MW-9A	7/30/2008	91.88	2.98	88.90	10.96	7.98	48.90	38.90	80.92
	8/14/2008				10.85	7.87			81.03
	10/7/2009				10.66	7.68			81.22
	2/2/2010				9.52	6.54			82.36
	6/13/2011				12.29	9.31			79.59
	11/7/2011				11.22	8.24			80.66
	1/5/2015				9.77	6.79			82.11
	11/7/2016				10.64	7.66			81.24
	10/8/2018				10.58	7.60			81.30

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Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-10	3/15/2006	83.30	3.87	79.43	7.61	3.74	72.43	62.43	75.69
	7/12/2006				7.78	3.91			75.52
	8/2/2006				7.78	3.91			75.52
	8/12/2008	96.05	2.95	93.10	7.74	4.79	86.36	76.36	88.31
	8/14/2008				7.70	4.75			88.35
	10/13/2009				7.30	4.35			88.75
	2/2/2010				4.84	1.89			91.21
	6/13/2011				8.95	6.00			87.10
	11/7/2011				8.26	5.31			87.79
	1/5/2015				6.12	3.17			89.93
	11/7/2016				7.57	4.62			88.48
	10/8/2018				7.05	4.10			89.00
MW-11	3/15/2006	87.37	1.28	86.09	5.81	4.53	77.09	67.09	81.56
	7/12/2006				7.64	6.36			79.73
	8/2/2006				7.64	6.36			79.73
	8/13/2008	100.12	1.22	98.90	8.18	6.96	89.78	79.78	91.94
	8/14/2008				8.15	6.93			91.97
	10/8/2009				7.10	5.88			93.02
	2/2/2010				5.02	3.80			95.10
	6/13/2011				9.26	8.04			90.86
	11/7/2011				8.89	7.67			91.23
	1/5/2015				6.10	4.88			94.02
	11/7/2016				7.35	6.13			92.77
	10/8/2018				6.79	5.57			93.33
MW-12	7/12/2006	78.82	2.47	76.35	5.78	3.31	67.35	57.35	73.04
	8/2/2006				5.78	3.31			73.04
	8/12/2008	89.06	2.26	86.80	5.11	2.85	77.59	67.59	83.95
	8/14/2008				4.79	2.53			84.27
	10/20/2009				4.92	2.66			84.14
	2/2/2010				3.27	1.01			85.79
	6/13/2011				7.35	5.09			81.71
	11/7/2011				6.81	4.55			82.25
	1/5/2015				4.11	1.85			84.95
	11/7/2016				5.95	3.69			83.11
	10/8/2018				5.70	3.44			83.36
MW-12A	7/31/2008	89.72	2.92	86.80	6.88	3.96	49.80	39.80	82.84
	8/14/2008				6.78	3.86			82.94
	10/20/2009				6.45	3.53			83.27
	2/2/2010				5.57	2.65			84.15
	6/13/2011				8.84	5.92			80.88
	11/7/2011				7.39	4.47			82.33
	1/5/2015				5.78	2.86			83.94
	11/7/2016				7.35	4.43			82.37
	10/8/2018				6.86	3.94			82.86
MW-12R	8/2/2006	77.16	2.15	75.01	6.09	3.94	66.01	56.01	71.07
	8/13/2008	89.40	2.20	87.20	4.77	2.57	79.11	69.11	84.63
	8/14/2008				5.53	3.33			83.87
	10/15/2009				4.42	2.22			84.98
	2/2/2010				2.64	0.44			86.76
	6/13/2011				6.91	4.71			82.49
	11/7/2011				5.52	3.32			83.88
	1/5/2015				3.51	1.31			85.89
	11/7/2016				5.57	3.37			83.83
	10/8/2018				5.30	3.10			84.10
MW-13	7/12/2006	62.66*	2.66	60.00*	7.97	5.31	51.00	41.00	54.69
	8/2/2006				7.97	5.31			54.69
	8/12/2008***				NG	NG			NG
	8/14/2008***				NG	NG			NG
MW-14	7/30/2008	87.24	2.64	84.60	8.63	5.99	80.60	70.60	78.61
	8/14/2008				8.85	6.21			78.39
	10/13/2009				8.90	6.26			78.34
	2/2/2010				8.07	5.43			79.17
	6/13/2011				9.78	7.14			77.46
	11/7/2011				9.13	6.49			78.11
	1/5/2015				8.20	5.56			79.04
	11/7/2016				8.10	5.46			79.14
	10/8/2018				8.81	6.17			78.43

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Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-15	7/31/2008	90.44	2.54	87.90	5.75	3.21	84.90	69.90	84.69
	8/14/2008				5.73	3.19			84.71
	10/13/2009				5.70	3.16			84.74
	2/2/2010				3.28	0.74			87.16
	6/13/2011				7.87	5.33			82.57
	11/7/2011				6.52	3.98			83.92
	1/5/2015				4.81	2.27			85.63
	11/7/2016				7.40	4.86			83.04
	10/8/2018				6.07	3.53			84.37
MW-16	7/29/2008	90.83	2.73	88.10	7.46	4.73	83.60	73.60	83.37
	8/14/2008				7.48	4.75			83.35
	10/7/2009				7.41	4.68			83.42
	2/2/2010				5.88	3.15			84.95
	6/13/2011				9.01	6.28			81.82
	11/7/2011				7.93	5.20			82.90
	1/5/2015				6.40	3.67			84.43
	11/7/2016				7.41	4.68			83.42
	10/8/2018				7.27	4.54			83.56
MW-17	7/31/2008	89.71	3.21	86.50	5.38	2.17	82.50	72.50	84.33
	8/14/2008				5.42	2.21			84.29
	10/15/2009				5.38	2.17			84.33
	2/2/2010				3.93	0.72			85.78
	6/13/2011				7.92	4.71			81.79
	11/7/2011				6.45	3.24			83.26
	1/5/2015				4.61	1.40			85.10
	11/7/2016				6.54	3.33			83.17
	10/8/2018				6.19	2.98			83.52
MW-18	7/31/2008	89.60	3.00	86.60	5.45	2.45	82.60	72.60	84.15
	8/14/2008				5.45	2.45			84.15
	10/15/2009				5.30	2.30			84.30
	2/2/2010				3.61	0.61			85.99
	6/13/2011				7.82	4.82			81.78
	11/7/2011				6.32	3.32			83.28
	1/5/2015				4.28	1.28			85.32
	11/7/2016				6.38	3.38			83.22
	10/8/2018				6.07	3.07			83.53
MW-19	7/29/2008	96.70	-0.40	97.10	5.84	6.24	94.10	79.10	90.86
	8/14/2008				5.59	5.99			91.11
	10/13/2009				4.80	5.20			91.90
	2/2/2010				3.09	3.49			93.61
	6/13/2011				6.72	7.12			89.98
	11/7/2011				6.27	6.67			90.43
	1/5/2015				3.81	4.21			92.89
	11/7/2016				4.94	5.34			91.76
	10/8/2018				4.39	4.79			92.31
MW-19A	10/6/2009	96.80	-0.37	97.17	7.86	8.23	57.67	47.67	88.94
	10/13/2009				8.35	8.72			88.45
	2/2/2010				8.66	9.03			88.14
	6/13/2011				9.60	9.97			87.20
	11/7/2011				10.92	11.29			85.88
	1/5/2015				6.36	6.73			90.44
	11/7/2016				22.44	22.81			74.36
	10/8/2018				8.95	9.32			87.85
MW-20	7/30/2008	99.20	3.00	96.20	13.63	10.63	51.20	41.20	85.57
	8/14/2008				13.24	10.24			85.96
	10/6/2009				12.30	9.30			86.90
	2/2/2010				10.74	7.74			88.46
	6/13/2011				14.44	11.44			84.76
	11/7/2011				14.00	11.00			85.20
	1/5/2015				11.56	8.56			87.64
	11/7/2016				17.88	14.88			81.32
	10/8/2018				14.44	11.44			84.76

Table 2
Groundwater Elevations

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Monitoring Well ID	Date	TOC Elevation (ft.)[1]	TOC Feet in Relation to Surface[2]	Surface Elevation (ft.)[1]	Depth to Water (ft BTOC)	Depth to Water (ft BGS)	Screen Elevations (ft MSL)[1]		Groundwater Elevation (ft.)[3]
							Top	Bottom	
MW-21	7/29/2008	99.50	3.40	96.10	9.54	6.14	92.10	82.10	89.96
	8/14/2008				9.27	5.87			90.23
	10/6/2009				8.53	5.13			90.97
	2/2/2010				6.75	3.35			92.75
	6/13/2011				10.38	6.98			89.12
	11/7/2011				9.88	6.48			89.62
	1/5/2015				7.52	4.12			91.98
	11/7/2016				8.66	5.26			90.84
	10/8/2018				8.13	4.73			91.37
MW-22	10/6/2009	95.94	-0.48	96.42	4.31	4.79	90.92	80.92	91.63
	10/13/2009				4.49	4.97			91.45
	2/2/2010				3.28	3.76			92.66
	6/13/2011				8.51	8.99			87.43
	11/7/2011				6.01	6.49			89.93
	1/5/2015				3.71	4.19			92.23
	11/7/2016				4.70	5.18			91.24
	10/8/2018				4.22	4.70			91.72
MW-23	6/13/2011	98.37	-0.20	98.57	7.75	7.95	93.57	83.57	90.62
	11/7/2011				7.35	7.55			91.02
	1/5/2015				4.47	4.67			93.90
	11/7/2016				6.84	7.04			91.53
	10/8/2018				5.38	5.58			92.99
MW-23A	6/13/2011	98.62	-0.34	98.96	8.82	9.16	62.96	52.96	89.80
	11/7/2011				8.00	8.34			90.62
	1/5/2015				5.01	5.35			93.61
	11/7/2016				6.48	6.82			92.14
	10/8/2018				5.96	6.30			92.66
MW-24	6/13/2011	96.51	-0.26	96.77	6.59	6.85	91.77	81.77	89.92
	11/7/2011				9.04	9.30			87.47
	1/5/2015				3.11	3.37			93.40
	11/7/2016				4.95	5.21			91.56
	10/8/2018				4.29	4.55			92.22
MW-24A	6/13/2011	96.50	-0.27	96.77	12.80	13.07	58.77	48.77	83.70
	11/7/2011				10.33	10.60			86.17
	1/5/2015				11.10	11.37			85.40
	11/7/2016				10.78	11.05			85.72
	10/8/2018				8.00	8.27			88.50
MW-25	10/8/2018	96.04	-0.21	96.25	11.35	11.56	33.40	23.40	84.69
MW-26	10/8/2018	87.54	2.17	85.37	5.57	3.40	77.77	67.77	81.97

Notes:

TOC = Top of Well Casing
BGS = Below Ground Surface
NG = Not Gauged

[1] = (July 2006 -August 2006) Elevations relative to mean sea level as provided by aquaFusion, Inc. (August 2008 to present) Elevations relative to mean sea level as surveyed by Barton Surveying of Woodstock, GA.

[2] = Negative number indicates a flush-mounted well completion. Positive number indicates an aboveground well completion. Elevations surveyed relative to mean sea level by Barton Surveying, Inc. of Woodstock, GA.

[3] = Elevations relative to TOC Elevation.
[4] = Screened intervals based on total depth of monitoring wells and top of screen measurements taken from aquaFusion's October 2006 CSR.
[5] = Screened intervals based on field measurements taken from below ground surface during well installation based on aquaFusion boring logs included in October 2006 CSR.
[6] = Screened intervals based on field measurements taken from below ground surface during well installation.

* = Access not available at time of survey by Barton Surveying; therefore, TOC elevation is based on information provided in CSR report submitted by AquaFusion.
** = Monitoring well properly abandoned on August 20, 2008.
*** = Access not available at time of gauging/sampling.

Table 3A

Recent Groundwater Monitoring Well Sampling Purge Volumes

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Date Purged[1]	Well Diameter (inches)	Depth to Groundwater (ft BTOC)	Well Total Depth (ft BTOC)	Height of Water Column (ft)	Water Volume per foot of height (gallons)	Water Volume in Well (gallons)	Three Well Volumes of Water (gallons)	Actual Purged Volume (gallons)
MW-1	10/9/2018	2	5.50	37.17	31.67	0.16	5.07	15.20	3.00
MW-1A	10/9/2018	2	4.37	10.52	6.15	0.16	0.98	2.95	2.00
MW-1B	10/10/2018	2	4.29	18.14	13.85	0.16	2.22	6.65	2.50
MW-2	10/10/2018	2	3.08	35.78	32.70	0.16	5.23	15.70	5.00
MW-2A	10/10/2018	2	3.91	17.78	13.87	0.16	2.22	6.66	7.00
MW-2D	NA	2	NS						
MW-3A	10/10/2018	2	14.46	57.85	43.39	0.16	6.94	20.83	2.00
MW-4	NA	2	NS						
MW-4A	NA	2	NS						
MW-5	NA	2	NS						
MW-6	10/9/2018	2	6.69	37.48	30.79	0.16	4.93	14.78	3.00
MW-6A	10/9/2018	2	7.33	17.59	10.26	0.16	1.64	4.92	2.00
MW-6E	10/11/2018	2	17.70	76.15	58.45	0.16	9.35	28.06	--
MW-7	10/10/2018	2	3.90	23.05	19.15	0.16	3.06	9.19	4.00
MW-7A	10/10/2018	2	4.05	33.16	29.11	0.16	4.66	13.97	2.50
MW-7D	10/10/2018	2	6.10	49.04	42.94	0.16	6.87	20.61	3.00
MW-8	NA	2	NS						
MW-8A	NA	2	NS						
MW-9	10/9/2018	2	5.78	20.38	14.60	0.16	2.34	7.01	6.00
MW-9A	10/9/2018	2	10.58	53.68	43.10	0.16	6.90	20.69	8.00
MW-10	NA	2							
MW-11	NA	2	NS						
MW-12	NA	2	NS						
MW-12A	NA	2	NS						
MW-12R	NA	2	NS						
MW-13	NA	2	NS						
MW-14	NA	2	NS						
MW-15	NA	2	NS						
MW-16	NA	2	NS						
MW-17	10/11/2018	2	5.05	17.64	12.59	0.16	2.02	6.05	8.50
MW-18	NA	2	NS						
MW-19	NA	2	NS						
MW-19A	NA	2	NS						
MW-20	10/10/2018	2	14.44	58.34	43.90	0.16	7.02	21.07	3.50
MW-21	10/10/2018	2	8.13	18.08	9.95	0.16	1.59	4.78	4.50
MW-22	10/11/2018	2	4.82	15.39	10.57	0.16	1.69	5.07	2.00
MW-23	10/10/2018	2	5.38	15.10	9.72	0.16	1.56	4.67	2.00
MW-23A	10/10/2018	2	5.96	43.40	37.44	0.16	5.99	17.97	5.00
MW-24	NA	2	NS						
MW-24A	NA	2	NS						
MW-25	10/11/2018	2	11.35	72.85	61.50	0.16	9.84	29.52	9.00
MW-26	10/11/2018	2	4.20	17.60	13.40	0.16	2.14	6.43	12.50

Notes:
(1) = Depth to groundwater measured same day as purged.
ft BTOC = Feet below top of casing.
NS = Not Sampled
NA = Not Applicable

Table 3B

Intrinsic Groundwater Sampling Parameters

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Well Diameter (inches)	Date Well Developed	Date Sampled	Equipment			Calculated Well Volume - in Field (gal) (1)	Sample Time	Purged Volume (gallons)	Readings (2)							Comments
				Purging	Readings	Sample Collection				Depth to Water (ft BTOC)	pH (SUs)	Temperature (°C)	Conductivity (ms/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	
MW-1	2	Unknown	10/9/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	5.06	12:03	Initial	5.50	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								12:36	3.00	4.62	6.40	27.4	0.072	100.1	246.5	2.50	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC analysis.
MW-1A		Unknown	10/9/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	0.98	16:08	Initial	4.37	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								16:24	2.00	4.50	6.53	29.6	0.100	81.3	137.3	0.42	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-1B		Unknown	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	8.31	7:56	Initial	4.29	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								8:11	2.50	5.10	6.40	27.6	0.079	34.4	282.1	0.29	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-2		Unknown	10/10/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	5.56	10:25	Initial	3.08	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								10:56	4.50	3.48	3.76	26.50	0.076	9.8	432	2.61	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-2A		Unknown	10/10/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	2.36	11:40	Initial	3.91	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								12:55	7.00	4.05	3.85	28.76	0.081	16.2	417	2.34	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-2D		Unknown	NS	NS													
MW-3A		7/23/2008	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	6.90	14:34	Initial	14.46	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								14:52	2.00	16.34	6.80	26.0	499.3	50.3	-168.1	0.34	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-4		Unknown	NS	NS													
MW-4A		7/22/2008	NS	NS													

Table 3B

Intrinsic Groundwater Sampling Parameters

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Well Diameter (inches)	Date Well Developed	Date Sampled	Equipment			Calculated Well Volume - in Field (gal) (1)	Sample Time	Purged Volume (gallons)	Readings (2)							Comments
				Purging	Readings	Sample Collection				Depth to Water (ft BTOC)	pH (SUs)	Temperature (^{o}C)	Conductivity (ms/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	
MW-5	2	Unknown	NS	NS													
MW-6		Unknown	10/9/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	4.90	9:12	Initial	6.69	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								9:44	3.00	7.62	6.57	24.9	0.0867	28.3	141.3	0.23	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-6A		7/22/2008	10/9/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	2.00	10:22	Initial	7.33	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								11:00	2.00	7.39	6.51	28.3	0.0578	27.3	29.3	0.31	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-6E		7/23/2008	10/11/2018	Bailer	NA												Well pipe bent, sampled with 1" bailer
MW-7		Unknown	10/10/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	3.25	8:57	Initial	3.90	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								9:31	3.50	4.72	3.46	26.62	0.081	5.9	450	2.43	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-7A		Unknown	10/10/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	4.95	8:05	Initial	4.05	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								8:18	2.00	4.84	3.31	25.18	0.073	0.0	423	6.28	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-7D		Unknown	10/10/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	7.30	14:45	Initial	6.10	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								15:07	2.00	19.47	4.46	26.35	0.090	5.6	317	6.18	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.

Table 3B

Intrinsic Groundwater Sampling Parameters

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Well Diameter (inches)	Date Well Developed	Date Sampled	Equipment			Calculated Well Volume - in Field (gal) (1)	Sample Time	Purged Volume (gallons)	Readings (2)							Comments
				Purging	Readings	Sample Collection				Depth to Water (ft BTOC)	pH (SUs)	Temperature (°C)	Conductivity (ms/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	
MW-8	2	Unknown	NS	NS													
MW-8A		7/23/2008	NS	NS													
MW-9		Unknown	10/9/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	2.48	9:55	Initial	5.78	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								10:30	5.00	6.52	3.15	26.89	0.059	9.8	346	5.04	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-9A		7/23/2008	10/9/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	7.33	11:45	Initial	10.58	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								12:34	7.00	15.31	3.87	23.4	0.043	9.2	218	4.28	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-10		Unknown	NS	NS													
MW-11		Unknown	NS	NS													
MW-12		Unknown	NS	NS													
MW-12A		7/23/2008	NS	NS													
MW-12R		Unknown	NS	NS													
MW-13		Unknown	NS	NS													
MW-14		7/21/2008	NS	NS													
MW-15		7/22/2008	NS	NS													
MW-16		7/21/2008	NS	NS													

Table 3B

Intrinsic Groundwater Sampling Parameters

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Well Diameter (inches)	Date Well Developed	Date Sampled	Equipment			Calculated Well Volume - in Field (gal) (1)	Sample Time	Purged Volume (gallons)	Readings (2)							Comments
				Purging	Readings	Sample Collection				Depth to Water (ft BTOC)	pH (SUs)	Temperature (°C)	Conductivity (ms/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	
MW-17	2	7/22/2008	10/11/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	2.14	14:54	Initial	5.05	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								16:12	8.00	5.20	3.74	27.50	0.049	25.2	150	1.01	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC analysis.
MW-18		7/22/2008	NS	NS													
MW-19		7/23/2008	NS	NS													
MW-19A		10/6/2009	NS	NS													
MW-20		7/23/2008	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	7.02	9:56	Initial	14.44	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								10:43	3.50	15.11	6.97	25.40	0.129	20.2	9.9	0.54	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-21		7/22/2008	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1.59	8:46	Initial	8.13	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								9:24	4.50	7.8	6.47	26.5	0.0649	88.7	56.4	0.23	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC analysis.
MW-22		10/6/2009	10/11/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1.7	10:20	Initial	4.82	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								10:42	1.50	3.73	6.47	27.1	0.0819	22.0	105.2	0.34	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-23		6/9/2011	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1.55	11:09	Initial	5.38	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								11:35	2.00	5.02	6.44	27.9	0.0736	68.9	159.9	0.13	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-23A		6/9/2011	10/10/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	6.00	12:39	Initial	5.96	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								13:34	5.00	7.82	6.45	25.0	0.0874	10.5	211.3	1.10	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.

Table 3B

Intrinsic Groundwater Sampling Parameters

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Monitoring Well ID	Well Diameter (inches)	Date Well Developed	Date Sampled	Equipment			Calculated Well Volume - in Field (gal) (1)	Sample Time	Purged Volume (gallons)	Readings (2)							Comments
				Purging	Readings	Sample Collection				Depth to Water (ft BTOC)	pH (SUs)	Temperature (^{o}C)	Conductivity (ms/cm)	Turbidity (NTUs)	ORP (mV)	DO (mg/l)	
MW-24	2	6/9/2011	NS	NS													
MW-24A		6/9/2011	NS	NS													
MW-25		10/4/2018	10/11/2018	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: YSI Pro DSS Water Quality Meter, 2. S&ME: Heron Water Level Meter,	S&ME: Geotech SS Geosub Pump: with Polyethylene Bladder/Teflon® -lined tubing	9.84	8:02	Initial	11.35	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								9:37	9.00	16.72	6.93	24.1	1.993	1587.3	-343.6	0.11	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.
MW-26		10/4/2018	10/11/2018	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	1. S&ME: Horiba U52 Water Quality Meter, #: U500 2. S&ME: Heron Water Level Meter, #: H01L	S&ME: Grundfos Redi-Flo 2 Pump: A1A106003 with Polyethylene Bladder/Teflon® -lined tubing	2.28	8:22	Initial	4.20	NM	NM	NM	NM	NM	NM	Depth to groundwater prior to installation of purging/sampling pump.
								10:01	11.50	4.45	4.39	24.97	0.087	23	110	1.00	Parameters were collected prior to collection of groundwater to be submitted for analysis. Groundwater sample collected for VOC and Metal analysis.

Notes:

(1) = See Table 2A for actual calculated volume of water standing in monitoring wells at time of purging.

(2)= In order to reduce the length of this table, only the last reading of intrinsic parameters before the sample was taken is shown on this figure. For a complete listing of all groundwater sampling water quality parameters, see Appendix I.

NM = Not measured

NA = Not applicable

Table 4

Field QA/QC Sample Summary

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301,
Jesup, Wayne County, Georgia

Field QA/QC Sample ID	Date of Collection	Associated Soil and/or Groundwater Samples	Laboratory for the QA/QC Samples Only	Analyses (QA/QC Samples)	Containers	Detected Constituents	Sample/Sample QA/QC Non-Conformance	Sample/Sample QA/QC Non-Conformance Resolution
				VOCs				
Trip Blanks								
Trip Blank	NA	MW-1, MW-1A, MW-1B, MW-2, MW-2A, MW-3A, MW-3E, MW-6, MW-6A, MW-6E, MW-7, MW-7A, MW-7D, MW-9, MW-9A, MW-15E, MW-17, MW-20, MW-21,-MW-22, MW-23, MW-23A, MW-25, MW-25A, MW-26	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	None Detected	Not Applicable	Not Applicable
Equipment Blanks								
Equipment Blank 1	10/10/2018	MW-2, MW-2A,MW-7, MW-7A	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	Acetone (0.34 mg/L), 2-Butanone (MEK) (0.11 mg/L)	Not Applicable	Not Applicable
Equipment Blank 2	10/11/2018	MW-17, MW-26	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	Acetone (0.55 mg/L), 2-Butanone (MEK) (0.13 mg/L), and 2-Hexanone (0.01 mg/L)	Not Applicable	Not Applicable
Equipment Blank 3	10/11/2018	MW-22, MW-25	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	Acetone (0.39 mg/L), 2-Butanone (MEK) (0.14 mg/L), and 2-Hexanone (0.019 mg/L)	Not Applicable	Not Applicable
Duplicates								
MW-3E	10/11/2018	MW-3A	Pace	X	6- laboratory prepared 40-ml VOA vials - HCL preservative	See Table 3	Not Applicable	Not Applicable
MW-25A	10/11/2018	MW-25	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	See Table 3	Not Applicable	Not Applicable
MW=15E	10/11/2018	MW-26	Pace	X	6-laboratory prepared 40-ml VOA vials - HCL preservative	See Table 3	Not Applicable	Not Applicable

Notes:

QA/QC = Quality Assurance/Quality Control
Pace = Pace Analytical Services LLC
NA = Not Applicable
COC = Chain of Custody

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-1	MW-1	GDOT	GDOT	1/14/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.500	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	0.233	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	0.0319	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.2904	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.0213	<0.002	<0.0020	<0.0020	0.040	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/10/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2008		<0.150	<0.050	<0.0020	0.014	<0.0050	<0.0050	<0.0050	0.035	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	0.0081	<0.0050	<0.0050	<0.0050	0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	RW-25 (Blind Duplicate)					<0.150	<0.050	<0.0020	0.0075	<0.0050	<0.0050	<0.0050	0.023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1			11/10/2011		<0.150	<0.050	<0.0020	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	0.0052	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.025	<0.0010	0.0026	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-1A	MW-1A	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.0124	0.0134	<0.0020	<0.0020	0.0146	<0.0020	0.0134	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/10/2006		NS	<0.050	<0.0020	0.019	0.018	<0.0050	<0.0050	0.032	<0.0050	0.0091	<0.0050	<0.0050	NS
		S&ME		8/6/2008		<0.150	<0.050	<0.0020	0.010	0.035	<0.0050	<0.0050	0.0050	<0.0050	0.0090	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	0.010	0.022	<0.0050	<0.0050	0.016	<0.0050	0.0064	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	0.021	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	0.0054	0.021	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	<0.0050	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-2 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1A		ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	0.0170	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.025	<0.0010	0.0014	0.0089	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-1B	MW-1B	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.00331	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.443	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.141	0.0062	<0.0020	<0.0020	0.519	<0.0020	0.0042	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.140	<0.0050	<0.0050	<0.0050	1.0	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2006		<0.150	<0.050	<0.0020	0.200	0.011	<0.0050	<0.0050	0.650	<0.0050	0.0064	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	0.110	<0.0050	<0.0050	<0.0050	0.370	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	0.077	0.0094	<0.0050	<0.0050	0.160	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	0.058	0.0064	<0.0050	<0.0050	0.120	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-76 (Blind Duplicate)					<0.150	<0.050	<0.0020	0.055	0.0056	<0.0050	<0.0050	0.130	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	0.037	<0.0050	<0.0050	<0.0050	0.120	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-1B		ESC	11/7/2016		<0.00300	<0.0500	<0.00200	0.0126	<0.00500	<0.00500	<0.00500	0.0302	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	0.0068	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-1C	MW-1C	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.01295	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	1.8958	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	**1.620**	0.0058	<0.0020	0.0026	1.070	<0.0020	0.013	0.0068	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	**0.830**	<0.0050	<0.0050	<0.0050	0.190	<0.0050	0.0099	<0.0050	<0.0050	NS
	MW-101 (Blind Duplicate)					NS	<0.050	<0.0020	**0.830**	<0.0050	<0.0050	<0.0050	0.200	<0.0050	0.01	<0.0050	<0.0050	NS
	MW-1C	S&ME		8/5/2008		<0.150	<0.050	<0.0020	**0.740**	<0.0050	<0.0050	<0.0050	0.270	<0.0050	0.0067	<0.0050	<0.0050	<0.0050
			ESC	8/20/2008		ABANDONED												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-2	MW-2	GDOT	GDOT	1/14/1992	EPA 8260B	NS	NS	NS	NS	NS	NS	NS	0.0281	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	0.0379	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	0.0035	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.0078	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.010	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/6/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	0.0053	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-2A	MW-2A	GDOT	GDOT	2/5/1993	EPA 8260B	NS	NS	NS	NS	NS	NS	NS	0.0027	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.27252	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.195	0.037	<0.0020	<0.0020	0.0662	<0.0020	0.0058	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.068	0.0053	<0.0050	<0.0050	0.024	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	0.013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	0.0094	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-2B	MW-2B	GDOT	GDOT	2/5/1993	EPA 8260B E	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.04136	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.0365	0.0042	<0.0020	<0.0020	<0.0020	<0.0020	0.0040	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.034	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME	NA	7/22/2008	NA	ABANDONED												
MW-2D	MW-2D	AquaFusion	AES	8/2/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/19/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
						<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-4 (Blind Duplicate)		ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-2D		NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-3	MW-3	GDOT	GDOT	1/14/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				5/20/1992		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				7/30/1992		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NOT LOCATED/DESTROYED												
MW-3A	MW-3A	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	**0.010**	**1.3**	<0.0050	<0.0050	0.0086	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	**0.021**	**6.5**	0.038	<0.0050	0.035	<0.0050	**0.0071**	0.020	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	**0.017**	**9.0**	0.110	<0.0050	0.041	4.300	**0.0098**	**0.087**	0.018	<0.0050	<0.0050
	RW-36 (Blind Duplicate)			6/15/2011		<0.150	<0.050	**0.020**	**9.8**	0.110	<0.0050	0.042	3.600	<0.0050	**0.089**	0.018	<0.0050	<0.0050
	MW-3A			11/10/2011		<0.150	<0.050	**0.013**	**5.7**	0.140	<0.0050	0.041	0.810	**0.014**	**0.070**	0.011	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	**0.017**	**12.0**	0.820	<0.0050	0.055	9.000	**0.014**	**0.190**	**0.052**	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	**0.0221**	**4.61**	0.276	<0.0050	0.0564	2.01	**0.0166**	**0.118**	0.0278	<0.0050	<0.0050
			Pace	10/11/2018		<0.0020	<2.5	**<0.10**	**9.0**	0.30	<0.10	<0.10	0.91	**<0.10**	**<0.10**	**<0.10**	<0.10	<0.10
	MW-3E (Blind Duplicate)					<0.0020	<1.0	**<0.040**	**7.6**	0.29	<0.040	0.054	1.1	**<0.040**	**0.066**	**<0.040**	**<0.040**	<0.040

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-4	MW-4	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-4A	MW-4A	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/12/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-40A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-4A		NA		NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-5	MW-5	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	0.00238	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/16/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-6	MW-6	GDOT	GDOT	7/30/1992	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.0002	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	<0.020	NS	NS	NS	NS	NS
		AquaFusion	AES	2/8/2006	EPA 8260B	NS	<0.050	<0.0020	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
				3/14/2006		NS	<0.050	<0.0020	0.018	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	0.013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-51 (Blind Duplicate)					<0.150	<0.050	<0.0020	0.013	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-6			10/20/2009		<0.150	<0.050	<0.0020	0.012	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	0.014	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	RW-9 (Blind Duplicate)					<0.150	<0.050	<0.0020	0.015	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-6			11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/9/2015		<0.150	<0.050	<0.0020	0.017	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.025	<0.0010	0.0044	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-6A	MW-6A	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	<0.050	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-6D	MW-6D	AquaFusion	AES	8/3/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME	NA	7/30/2008	NA	ABANDONED												
MW-6E	MW-6E	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		NS - Damaged Well												
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/11/2018		0.0037	<0.025	<0.0010	0.0068	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-7	MW-7	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.0063	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.1287	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.0078	<0.0020	<0.0020	<0.0020	0.0118	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.030	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/5/2008		<0.150	<0.050	<0.0020	0.0092	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	0.014	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	0.0051	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	0.0042	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-7A	MW-7A	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	0.00141	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	<0.002	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.04541	NS	NS	NS	NS	NS
		EarthTech	Test America	7/25/2001	EPA 8260B	NS	<0.050	<0.0020	0.462	0.0028	<0.0020	<0.0020	0.0402	<0.0020	0.0075	0.0040	<0.0020	<0.0020
		AquaFusion	AES	1/11/2006		NS	<0.050	<0.0020	0.280	<0.0050	<0.0050	<0.0050	0.0059	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	0.200	<0.0050	<0.0050	<0.0050	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	0.400	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	0.420	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		<0.150	<0.050	<0.0020	0.180	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/12/2015		<0.150	<0.050	<0.0020	0.170	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	0.120	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	0.10	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010
MW-7B	MW-7B	GDOT	GDOT	2/5/1993	EPA 8260A	NS	NS	NS	NS	NS	NS	NS	<0.001	NS	NS	NS	NS	NS
				3/30/1994		NS	NS	NS	NS	NS	NS	NS	0.00913	NS	NS	NS	NS	NS
				2/21/1996		NS	NS	NS	NS	NS	NS	NS	0.18253	NS	NS	NS	NS	NS
		EarthTech	NA	7/25/2001	NA	ABANDONED												
MW-7D	MW-7D	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	**0.560**	<0.0050	<0.0050	<0.0050	0.130	<0.0050	0.0066	0.0062	<0.0050	NS
	D-MW7-Deep (Blind Duplicate)					NS	<0.050	<0.0020	**0.610**	<0.0050	<0.0050	<0.0050	0.120	<0.0050	0.0064	0.0054	<0.0050	NS
	MW-7D	S&ME		8/6/2008		<0.150	<0.050	<0.0020	**1.000**	0.030	<0.0050	<0.0050	0.410	<0.0050	0.014	0.0068	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	**1.300**	0.022	<0.0050	<0.0050	0.340	<0.0050	0.011	0.0063	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	0.380	0.0085	<0.0050	<0.0050	0.250	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/9/2011		<0.150	<0.050	<0.0020	0.100	0.0067	<0.0050	<0.0050	0.150	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/16/2015		<0.150	<0.050	<0.0020	0.450	0.0053	<0.0050	<0.0050	0.150	<0.0050	0.0067	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	0.161	<0.00500	<0.00500	<0.00500	0.0714	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.050	<0.0020	0.31	0.0034	<0.0020	<0.0020	0.076	<0.0020	0.0027	<0.0020	<0.0020	<0.0020

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-8	MW-8	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	0.064	0.012	<0.0050	<0.0050	0.033	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/8/2008		<0.150	<0.050	<0.0020	0.110	0.013	<0.0050	<0.0050	0.047	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	0.099	0.015	<0.0050	<0.0050	0.024	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	**0.700**	0.010	<0.0050	<0.0050	0.074	<0.0050	0.0091	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	0.144	0.0125	<0.00500	<0.00500	0.0798	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-38 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	0.0953	0.0121	<0.00500	<0.00500	0.0798	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-8		NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-8A	MW-8A	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/14/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-9	MW-9	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	0.0064	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/7/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/13/2015		<0.150	<0.050	<0.0020	0.014	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.025	<0.0010	0.0041	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-9A	MW-9A	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	0.018	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	0.024	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/13/2011		<0.150	<0.050	<0.0020	0.130	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/13/2015		<0.150	<0.050	<0.0020	0.150	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	0.290	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/9/2018		<0.0020	<0.10	<0.0040	0.45	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
MW-10	MW-10	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-11	MW-11	AquaFusion	AES	3/15/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/13/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/8/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-12	MW-12	AquaFusion	AES	7/12/2006	EPA 8260B	NS	0.980	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/12/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-52 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-12			10/20/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-12A	MW-12A	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/20/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-1 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-12A		ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-12R	MW-12R	AquaFusion	AES	7/26/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NS
		S&ME		8/13/2008		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-13	MW-13	AquaFusion	AES	7/12/2006	EPA 8260B	NS	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
		S&ME	NA	8/12/2008	NA	NOT SAMPLED-ACCESS ISSUES												
MW-14	MW-14	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-15	MW-15	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	0.011	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	0.017	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	0.117	<0.00500	<0.00500	<0.00500	0.0121	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-16	MW-16	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/7/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/6/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-17	MW-17	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-50 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-17			10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/10/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-47 (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-17		Pace	10/11/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-18	MW-18	S&ME	AES	7/31/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/15/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-19	MW-19	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/13/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/7/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-19A	MW-19A	S&ME	AES	10/13/2009	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/16/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-20	MW-20	S&ME	AES	7/30/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/6/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/8/2011		NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-21	MW-21	S&ME	AES	7/29/2008	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				10/6/2009		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/14/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				11/8/2011		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
				1/8/2015		<0.150	0.140	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-22	MW-22	S&ME	AES	10/13/2009	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				6/15/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	0.0067	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/9/2016		<0.00300	<0.0500	<0.00200	0.0206	<0.00500	<0.00500	<0.00500	0.00855	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/11/2018		<0.0020	<0.025	<0.0010	0.0058	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
MW-23	MW-23	S&ME	AES	6/15/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/9/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-23A	MW-23A	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/15/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	D-3 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-23A		ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			Pace	10/10/2018		<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-24	MW-24	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	DMW-43 (Blind Duplicate)					<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
	MW-24			1/13/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/7/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
			NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-24A	MW-24A	S&ME	AES	6/14/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				11/10/2011		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
				1/14/2015		<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
			ESC	11/8/2016		<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-30A (Blind Duplicate)					<0.00300	<0.0500	<0.00200	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
	MW-24A		NA	10/9/2018	NA	NOT SAMPLED-REDUCED SAMPLING PLAN												
MW-25	MW-25	S&ME	Pace	10/11/2018	EPA 8260B	<0.0020	<0.10	<0.0040	0.33	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	MW-25A (Blind Duplicate)					<0.0020	<0.10	<0.0040	0.37	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
MW-26	MW-26	S&ME	Pace	10/11/2018	EPA 8206B	<0.0020	<0.025	<0.0010	0.025	0.0019	<0.0010	<0.0010	0.0046	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	MW-15E (Blind Duplicate)					<0.0020	<0.025	<0.0010	0.024	0.0019	<0.0010	<0.0010	0.0047	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Table 5

Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sampled By	Laboratory	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloroethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards						**0.00774 Type 4**	**45.6 Type 4**	**0.00327 Type 4**	**0.524 Type 4**	**4.00 Type 3**	**0.161 Type 4**	**1.02 Type 4**	**13.6 Type 4**	**0.0050 Type 3**	**0.0377 Type 4**	**0.0464 Type 4**	**0.0050 Type 3**	**0.100 Type 4**
I-2	I-2	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	0.360	0.240	<0.0050	0.022	**34.000**	**0.020**	**0.240**	**0.220**	**0.0086**	**0.890**
I-3	I-3	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	**9.100**	0.130	<0.0050	0.025	**29.000**	**0.012**	**0.260**	**0.130**	<0.0050	0.023
I-5	I-5	S&ME	AES	11/8/2011	EPA 8260B	<0.150	<0.050	<0.0020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
I-6	I-6	S&ME	AES	11/9/2011	EPA 8260B	<0.150	<0.050	<0.0020	0.240	0.0051	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
I-7	I-7	S&ME	AES	11/8/2011	EPA 8260B	<0.150	<0.050	<0.0020	0.370	0.022	<0.0050	<0.0050	<0.0050	<0.0050	0.0055	<0.0050	<0.0050	<0.0050

Notes:

mg/L = Milligrams per liter.

NC = Not Calculated-this constituent is not present at the site.

PCE = Tetrachloroethene, Tetrachloroethylene, Perchloroethene, or Perchlorethylene (synonyms).

DCE = Dichloroethene or Dichloroethylene (synonyms)

TCE = Trichloroethene or Trichloroethylene (synonyms).

<RL = Less than reporting limit. No estimated concentration.

Bold = Exceeds respective Risk Reduction Standard

Table 6

Current Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301, Jesup, Wayne County, Georgia

Volatile Organic Compounds (mg/L)
CAS Number

Sample Location	Sample ID	Sample Date	Analytical Method	1,4-Dioxane (123911)	Acetone (67641)	Vinyl Chloride (75014)	1,1-DCE (75354)	1,1-Dichloroethane (75343)	trans-1,2-DCE (156605)	cis-1,2-DCE (156592)	1,1,1-Trichloroethane (71556)	1,2-Dichloroethane (107062)	TCE (79016)	1,1,2-Trichloro-ethane (79005)	PCE (127184)	1,1,1,2-Tetrachloroethane (630206)
Risk Reduction Standards				**Type 1 - 0.07 Type 4 - 0.00774**	**Type 1 - 4.00 Type 4 - 45.6**	**Type 1 - 0.002 Type 4 - 0.00327**	**Type 1 - 0.007 Type 4 - 0.524**	**Type 1 - 4.00 Type 3 - 4.00**	**Type 1 - 0.100 Type 4 - 0.161**	**Type 1 - 0.005 Type 4 - 1.02**	**Type 1 - 0.2 Type 4 - 13.6**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.005 Type 4 - 0.0377**	**Type 1 - 0.005 Type 4 - 0.0464**	**Type 1 - 0.005 Type 3 - 0.005**	**Type 1 - 0.07 Type 4 - 0.100**
MW-1	MW-1	10/9/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0026	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-1A	MW-1A	10/9/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0014	0.0089	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-1B	MW-1B	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0068	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-2	MW-2	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-2A	MW-2A	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-3A	MW-3A	10/11/2018	EPA 8260B	<0.0020	<2.5	**<0.10**	**9.0**	0.300	<0.10	**<0.10**	**0.910**	**<0.10**	**<0.10**	**<0.10**	<0.10	<0.10
	MW-3E (Blind Duplicate)			<0.0020	<1.0	**<0.040**	**7.6**	0.290	<0.040	**0.054**	**1.10**	**<0.040**	**0.066**	**<0.040**	<0.040	<0.040
MW-6	MW-6	10/9/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0044	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-6A	MW-6A	10/9/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-6E	MW-6E	10/11/2018	EPA 8260B	0.0037	<0.025	<0.0010	0.0068	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-7	MW-7	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0042	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-7A	MW-7A	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	**0.10**	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0014	<0.0010	<0.0010	<0.0010
MW-7D	MW-7D	10/10/2018	EPA 8260B	<0.0020	<0.050	<0.0020	**0.31**	0.0034	<0.0020	<0.0020	0.076	<0.0020	0.0027	<0.0020	<0.0020	<0.0020
MW-9	MW-9	10/9/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0041	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-9A	MW-9A	10/9/2018	EPA 8260B	<0.0020	<0.10	<0.0040	**0.45**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
MW-17	MW-17	10/11/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-20	MW-20	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-21	MW-21	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-22	MW-22	10/11/2018	EPA 8260B	<0.0020	<0.025	<0.0010	0.0058	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-23	MW-23	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-23A	MW-23A	10/10/2018	EPA 8260B	<0.0020	<0.025	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
MW-25	MW-25	10/11/2018	EPA 8260B	<0.0020	<0.10	<0.0040	**0.33**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
	MW-25A			<0.0020	<0.10	<0.0040	**0.37**	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040
MW-26	MW-26	10/11/2018	EPA 8260B	<0.0020	<0.025	<0.0010	**0.025**	0.0019	<0.0010	<0.0010	0.0046	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
	MW-15E (Blind Duplicate)			<0.0020	<0.025	<0.0010	**0.024**	0.0019	<0.0010	<0.0010	0.0047	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Notes:

mg/L = Milligrams per liter.

NC = Not Calculated-this constituent is not present at the site.

PCE = Tetrachloroethene, Tetrachloroethylene, Perchloroethene, or Perchlorethylene (synonyr

DCE = Dichloroethene or Dichloroethylene (synonyms)

TCE = Trichloroethene or Trichloroethylene (synonyms).

results above the Type 1 Risk Reduction Standard

results above the Type 1 and Type 3/4 Risk Reduction Standard

Table 7
Historical Groundwater Sample Analytical Results

Jesup DOT - District Office
HSI Site No. 10742
204 North Highway 301
Jesup, Wayne County, Georgia

Total Metals (mg/L)

Sample Location	Sample ID	Sample By	Sample Date	Laboratory	Analytical Method	Arsenic	Barium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Selenium	Hexavalent Chromium
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
MW-7D	MW-7D	S&ME	6/15/2011	AES	EPA 6010C EPA 3500CR	<0.0063	<0.0009	<0.0001	0.0243	<0.0009	0.767	<0.0006	0.0332	<0.0041	<0.0100
			11/9/2011			<0.0500	0.0551	<0.0050	<0.0100	<0.0100	2.36	<0.0100	0.219	<0.0200	<0.0100
			1/16/2015			<0.0500	0.0822	<0.0050	0.0397	0.0194	7.98	0.0191	0.0511	<0.0200	<0.0100
			10/10/2018		EPA 6020B	NA	NA	NA	NA	NA	NA	<0.0010	NA	NA	NA
MW-8A	NA	NA	10/8/2018	NA	NA	NOT SAMPLED - REDUCED SAMPLING PLAN									
MW-12A	NA	NA	10/8/2018	NA	NA	NOT SAMPLED - REDUCED SAMPLING PLAN									

Notes: NA = Not Analyzed/Not Applicable

Appendices

Appendix I – EPD Comments

GEORGIA EPD RRP COMMENTS AND AFFLIATED RESPONSES

The following sections address the Georgia Environmental Protection Division (EPD) Response Remediation Program (RRP) comments outlined in the September 29, 2017 "March 27, 2017 Voluntary Remediation Program Application" letter. A copy of the September 29, 2017 letter is included as Exhibit A in this Appendix.

♦ Comment #1

Figure 2 and the Tax Plats found in Appendix I of the VIRP do not clearly show the qualifying property boundary, abutting properties, and tax parcel identification numbers as required by Item #3 of the VRP Application Form Checklist (AFC). Please submit a tax plat or other figure that includes the qualifying property boundary, abutting properties, and tax parcel identification numbers in the first VRP semiannual progress report. Figure 2 or the Wayne County tax map in Appendix I of the VIRP may be modified to satisfy this condition.

Response

A tax map presenting the requested information is included as Figure I as part of this Appendix.

♦ Comment #2

The Type 1 groundwater risk reduction standards (RRS) in Table 4 of the VIRP are acceptable for use as the Type 1 delineation standards for the Property.

Response

S&ME has noted that the EPD has accepted the Type 1 RRS presented for use as the Type 1 delineation standards for the Property.

♦ Comment #3

Section 4.4 and Appendix VII of the VIRP describe the VRP projected milestone schedule for remediation of the qualifying Property. Section 4.4 of the VIRP proposes the implementation of a uniform covenant (UEC) as a groundwater use institutional control; installation of one monitoring well; two groundwater sampling events (one comprehensive event and one limited event); and the submittal of reports within 60 days of receipt of analytical data for each sampling event. The VIRP milestone schedule should be revised to include the four generic milestone event required by Item #s 5.a. through 5.b. of the AFC, which requires the submittal of semiannual progress reports and the final CSR. GDOT may adjust the projected timeframes for Items 5.a through 5.b as appropriate. The revised milestone schedule should project dates for completion of milestone tasks, should be updated as corrective action progresses at the qualifying Property, and should be included in all future periodic reports. The schedule should also include additional milestone events resulting from the comments listed below.

Response

A revised milestone schedule is included as part of this semi-annual progress report.

♦ Comment #4

Section 2.2.1 of the VIRP concludes that soils at the qualifying Property meets Type 3 RRS; however, based on EPD's review, soils appear to meet Type 1 RRS. GDOT should revise Table 2 of the VIRP to compare soil data to Type 1 RRS rather than Type 3 and provide a certification of compliance for soil in the first progress report.

Response

S&ME has noted that EPD concurs with the Subject Property is in compliance with the Type 1 RRS for soil. Table 1 – Historical Soil Sample Analytical Results of this Progress Report has been revised to compare soil data to Type 1 RRS. A Certification of Compliance with Risk Reduction Standards has been included as Section 11.0 of this Progress Report.

♦ Comment #5

EPD concurs with the proposal to install vertical delineation well PMW-25, but requests that the well be installed proximal to MW-3A due to the data trends for the constituents of concern at this location. Please note that based on the data from future monitoring events, additional vertical delineation to the extent practicable may be required.

Response

S&ME noted the EPD's request to revise the location of the installation of PMW-25 to proximal of MW-3A. Monitoring well MW-25 was installed approximately 15 feet east of MW-3A on October 4, 2018. The location of MW-25 is shown on Figure 3 of this Progress Report.

♦ Comment #6

The first VRP semiannual progress report should clarify the VRP remediation goals for groundwater at the qualifying property pursuant to Section 12-8-108 of the Act. The proposed Point of Demonstration (POD) well and proposed Point of Exposure (POE) need to be clearly specified. It seems that the intent of Section 3.3 of the VIRP was to propose MW-6 as the POD for the upper aquifer and identify the POE as a point 1,000 feet downgradient of MW-6. In addition, the groundwater flow direction in the upper aquifer is to the east (Figure 7A), and it is noted that there are no wells directly downgradient of MW-15 which is situated at the leading edge of the plume (Figure 9A). An additional well downgradient of MW-15 should be considered to serve as an upper aquifer POD well. Please provide a discussion of point of demonstration monitoring for the Property in the first progress report, including the detections identified in MW-15.

Response

Monitoring well MW-26 was installed approximately 150 feet east of MW-15 on October 3, 2018. VOC constituent 1,1-DCE exceeded the Type 1 RRS (however below Type 4 RRS) in the groundwater sampled collected from MW-26. The POE is discussed in further detail in Section 6.0 of this Progress Report.

♦ Comment #7

According to Section 4.3 of the VIRP, the Property does not have a groundwater monitoring schedule, but semiannual sampling is recommended for a period of one year. The two groundwater monitoring and gauging events include one comprehensive at select monitoring wells. EPD approves the proposed sampling schedule, but requests that monitoring well MW-15 is included as one of the wells to be sampled in the proposed limited sampling event. Please note that EPD reserves the right to require additional monitoring/gauging events and may also require modifications to the limited sampling event monitoring network pending the results of the two approved semiannual events. GDOT may also propose future modifications for the EPD's approval.

Response

Monitoring well MW-15 was mistakenly not sampled during the October 2018 limited groundwater monitoring event. Monitoring well MW-26 which was installed for further delineation east of MW-15 was sampled during the October 2018 groundwater monitoring event. Monitoring well MW-15 will be sampled during the next semi-annual groundwater monitoring event.

♦ Comment #8

The VIRP proposes that lead be analyzed from groundwater samples collected from MW-7D, MW-8A, and MW-12A in response to Comment #3 in EPD's March 2015 Progress Report comment letter dated January 12, 2017. EPD acknowledges GDOT's inclusion of future metals analyses in Section 4.3 of the VIRP and requests that previous lead analysis data and the new data are included in the next VRP progress report.

Response

A groundwater sample was collected from MW-7D and analyzed for lead using EPA Method 6020B. Monitoring wells MW-8A and MW-12A were not sampled due to limited sampling plan. Lead was not detected above its laboratory reporting limit from the groundwater sample collected from MW-7D. Historical groundwater sample analytical results for metals are summarized in Table 7 of this Progress Report.

♦ Comment #9

The October 6, 2006 compliance status report (CSR identifies the Former Septic Drain Field as the source of volatile organic compound (VOC) impacts to groundwater; however, it was not identified in Figure 6, Site Map, of the VIRP. Future progress reports and the final CSR should identify the Former Septic Field source area in the text and figures, as appropriate.

Response

Figure 3 (Site Map) of this Progress Report has been revised to include the location of the Former Septic Tank/Drainage Field Area.

♦ Comment #10

It appears that concentrations entered into the VISL model (Appendix VI of the VIRP) were not converted from mg/l to ug/l, therefore, the results presented in Section 3.1.2 are understated and the VISL model should be modified to reflect the correct groundwater concentrations. As a result, some VOCs exceed a TCR level of 1.0E-05 or a THQ of 1.0 and additional lines of evidence should be considered to address the potential vapor intrusion pathway.

Response

The VISL model has been corrected and the groundwater concentrations were entered as micrograms per liter (ug/L). S&ME will consider additional lines of evidence after the comprehensive monitoring event.

Exhibits

Exhibit A – EPD Comments

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

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

September 29, 2017

VIA E-MAIL AND REGULAR MAIL

Georgia Department of Transportation
c/o James Clute, State Facilities Manager
One Georgia Center
600 West Peachtree Street, NW 7th Floor
Atlanta, Georgia 30308

Re: March 27, 2017 Voluntary Remediation Program Application
Georgia Department of Transportation-Jesup District Office Property, HSI #10742
204 North Highway 301, Jesup, Wayne County, Georgia
Tax Parcel 112-6

Dear Mr. Clute:

The Georgia Environmental Protection Division (EPD) has reviewed the Voluntary Investigation and Remediation Plan (VIRP) and Application dated March 27, 2017 submitted by the Georgia Department of Transportation (GDOT) for the subject tax parcel (the "Property") pursuant to the Georgia Voluntary Remediation Program Act (the Act) O.C.G.A. 12-8-100 *et. seq.* EPD offers the following comments, which should be addressed in accordance with the Act:

1. Figure 2 and the Tax Plats found in Appendix I of the VIRP do not clearly show the qualifying property boundary, abutting properties, and tax parcel identification numbers as required by Item #3 of the VRP Application Form Checklist (AFC). Please submit a tax plat or other figure that includes the qualifying Property boundary, abutting properties, and tax parcel identification numbers in the first VRP semiannual progress report. Figure 2 or the Wayne County tax map in Appendix I of the VIRP may be modified to satisfy this condition.

2. The Type 1 groundwater risk reduction standards (RRS) in Table 4 of the VIRP are acceptable for use as the Type 1 delineation standards for the Property.

3. Section 4.4 and Appendix VII of the VIRP describe the VRP projected milestone schedule for remediation of the qualifying Property. Section 4.4 of the VIRP proposes the implementation of a uniform environmental covenant (UEC) as a groundwater use institutional control; installation of one monitoring well; two groundwater sampling events (one comprehensive event and one limited event); and the submittal of reports within 60 days of receipt of analytical data for each sampling event. The VIRP milestone schedule should be revised to include the four generic milestone events required by Item #s 5.a. through 5.b. of the AFC, which requires the submittal of semiannual progress reports and the final CSR.

GDOT may adjust the projected timeframes for Items 5.a through 5.b. as appropriate. The revised milestone schedule should project dates for completion of milestone tasks, should be updated as corrective action progresses at the qualifying Property, and should be included in all future periodic reports. The schedule should also include additional milestone events resulting from the comments listed below.

4. Section 2.2.1 of the VIRP concludes that soils at the qualifying Property meets Type 3 RRS; however, based on EPD's review, soils appear to meet Type 1 RRS. GDOT should revise Table 2 of the VIRP to compare soil data to Type 1 RRS rather than Type 3 RRS and provide a certification of compliance for soil in the first progress report.

5. EPD concurs with the proposal to install vertical delineation well PMW-25, but requests that the well be installed proximal to MW-3A due to the noted data trends for the constituents of concern at this location. Please note that based on the data from future monitoring events, additional vertical delineation to the extent practicable may be required.

6. The first VRP semiannual progress report should clarify the VRP remediation goals for groundwater at the qualifying Property pursuant to Section 12-8-108 of the Act. The proposed Point of Demonstration (POD) well and proposed Point of Exposure (POE) need to be clearly specified. It seems that the intent of Section 3.3 of the VIRP was to propose MW-6 as the POD for the upper aquifer and identify the POE as a point 1000 feet downgradient of MW-06. In addition, the groundwater flow direction in the upper aquifer is to the east (Figure 7A), and it is noted that there are no wells directly downgradient of MW-15 which is situated at the leading edge of the plume (Figure 9A). An additional well downgradient of MW-15 should be considered to serve as an upper aquifer POD well. Please provide a discussion of point of demonstration monitoring for the Property in the first progress report, including the detections identified in MW-15.

7. According to Section 4.3 of the VIRP, the Property does not have a groundwater monitoring schedule, but semiannual sampling is recommended for a period of one year. The two groundwater monitoring and gauging events include one comprehensive and one limited event at select monitoring wells. EPD approves the proposed sampling schedule, but requests that monitoring well MW-15 is included as one of the wells to be sampled in the proposed limited sampling event. Please note that EPD reserves the right to require additional monitoring/ gauging events and may also require modifications to the limited sampling event monitoring network pending the results of the two approved semiannual events. GDOT may also propose future modifications for EPD's approval.

8. The VIRP proposes that lead be analyzed from groundwater samples collected from MW-7D, MW-8A, and MW-12A in response to Comment #3 in EPD's March 2015 Progress Report comment letter dated January 12, 2017. EPD acknowledges GDOT's inclusion of future metals analyses in Section 4.3 of the VIRP and requests that previous lead analysis data and the new data are included in the next VRP progress report.

9. The October 6, 2006 compliance status report (CSR) identifies the Former Septic Drain Field as the source of volatile organic compound (VOC) impacts to groundwater; however, it was not identified in Figure 6, *Site Map*, of the VIRP. Future progress reports and the final CSR should identify the Former Septic Field source area in the text and figures, as appropriate.

10. It appears that concentrations entered into the VISL model (Appendix VI of the VIRP) were not converted from mg/l to ug/l, therefore, the results presented in Section 3.1.2 are understated and the VISL model should be modified to reflect the correct groundwater concentrations. As a result, some VOCs exceed a TCR level of 1.0E-05 or a THQ of 1.0 and additional lines of evidence should be considered to address the potential vapor intrusion pathway.

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

Please address the comments listed above in the first VRP semiannual progress report, or as otherwise appropriate, which should be submitted to EPD by March 30, 2018. If you have any questions regarding this matter, please contact Ms. Antonia Beavers of the Response and Remediation Program at 404/657-0487.

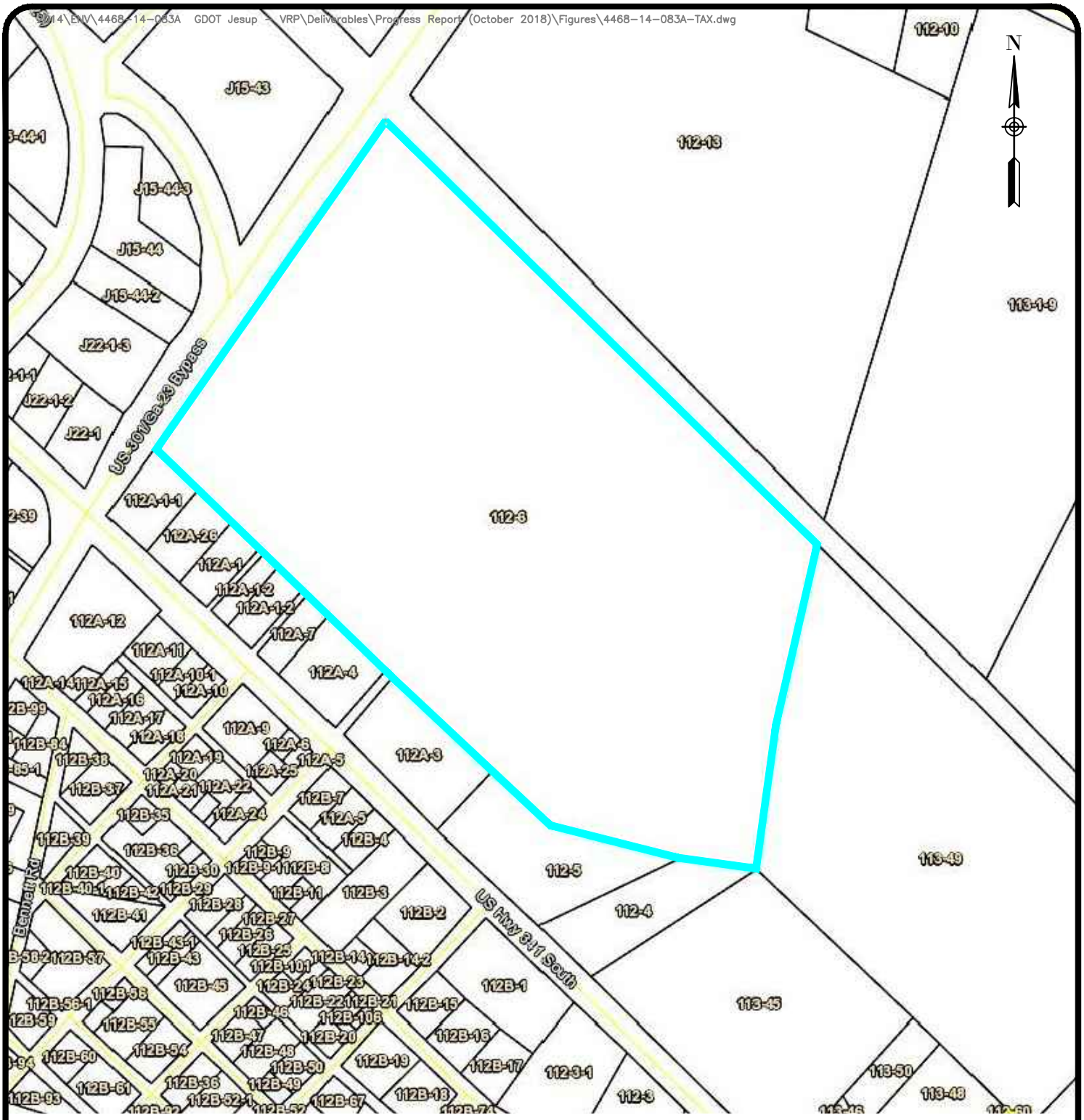
Sincerely,

Kevin Collins
Unit Coordinator
Response and Remediation Program

c: S&ME, Inc., William J. Wagner, Jr., PG. and Peter J. Fleury (Via email)

File: HSI Site 10742, ID No. 143-0016
S:\RDRIVE\ANTONIA\GDOT Jesup District Office\VRP Application_March 2017\VIRP Comment Letter_September 2017.doc

Exhibit B – Supporting Documents



	TAX MAP	SCALE: AS SHOWN	FIGURE NO. 1
	GEORGIA DEPARTMENT OF TRANSPORTATION 204 NORTH HWY 301 JESUP, WAYNE COUNTY, GEORGIA	DATE: 11/13/18 PROJECT NUMBER 4468-14-083A	

Voluntary Remediation Program Milestone Schedule

Site Name: Georgia DOT - Jesup District Office
Site Address: 204 North Highway 301, Jesup, Wayne County, Georgia
HSI Site No: 10742

Month*

Task:	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**	**23**	**24**	**25**	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**	**35**	**36**
Groundwater Environmental Covenant																																				
Proposed Monitoring Well Installation																																				
Limited Groundwater Sampling																																				
Comprehensive Groundwater Sampling																																				
Compliance Status Report Submittal																																				
HSI Delisting																																				

* = Months beginning after submittal of current VRP Application

= Scope of Work Completed

OSWER VAPOR INTRUSION ASSESSMENT
Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR (ug/m^3)$^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i
107-06-2	Dichloroethane, 1,2-	2.0E+01	9.65E-01	2.0E-06	3.1E-02	2.60E-05	I	7.00E-03	P	
75-35-4	Dichloroethylene, 1,1-	8.2E+02	8.75E+02	No IUR	1.0E+00			2.00E-01	I	
79-34-5	Tetrachloroethane, 1,1,2,2-	8.9E+02	1.34E+01	**6.3E-05**	No RfC	5.80E-05	CA			
127-18-4	Tetrachloroethylene	8.6E+00	6.22E+00	1.3E-07	3.6E-02	2.60E-07	I	4.00E-02	I	
71-55-6	Trichloroethane, 1,1,1-	3.4E+04	2.39E+04	No IUR	**1.1E+00**			5.00E+00	I	
79-00-5	Trichloroethane, 1,1,2-	2.2E+02	7.41E+00	9.7E-06	**8.5E+00**	1.60E-05	I	2.00E-04	X	
79-01-6	Trichloroethylene	2.6E+02	1.05E+02	**3.5E-05**	**1.2E+01**	see note	I	2.00E-03	I	TCE
75-01-4	Vinyl Chloride	2.2E+01	2.51E+01	9.0E-06	5.7E-02	4.40E-06	I	1.00E-01	I	VC

Notes:

(1) **Inhalation Pathway Exposure Parameters (RME):**

Exposure Scenario	Units	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Averaging time for carcinogens	(yrs)	ATc_R_GW	70	ATc_C_GW	70	ATc_GW	70
Averaging time for non-carcinogens	(yrs)	ATnc_R_GW	26	ATnc_C_GW	25	Atnc_GW	25
Exposure duration	(yrs)	ED_R_GW	26	ED_C_GW	25	ED_GW	25
Exposure frequency	(days/yr)	EF_R_GW	350	EF_C_GW	250	EF_GW	250
Exposure time	(hr/day)	ET_R_GW	24	ET_C_GW	8	ET_GW	8

(2) **Generic Attenuation Factors:**

Source Medium of Vapors	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
Groundwater (-)	AFgw_R_GW	0.001	AFgw_C_GW	0.001	AFgw_GW	0.001
Sub-Slab and Exterior Soil Gas (-)	AFss_R_GW	0.03	AFss_C_GW	0.03	AFss_GW	0.03

(3) **Formulas**

Cia, target = MIN(Cia,c; Cia,nc)
Cia,c (ug/m3) = TCR x ATc x (365 days/yr) x (24 hrs/day) / (ED x EF x ET x IUR)
Cia,nc (ug/m3) = THQ x ATnc x (365 days/yr) x (24 hrs/day) x RfC x (1000 ug/mg) / (ED x EF x ET)

(4) **Special Case Chemicals**

Trichloroethylene	Residential Symbol	Residential Value	Commercial Symbol	Commercial Value	Selected (based on scenario) Symbol	Selected (based on scenario) Value
	mIURTCE_R_GW	1.00E-06	mIURTCE_C_GW	0.00E+00	mIURTCE_GW	0.00E+00
	IURTCE_R_GW	3.10E-06	IURTCE_C_GW	4.10E-06	IURTCE_GW	4.10E-06

Mutagenic Chemicals — The exposure durations and age-dependent adjustment factors for mutagenic-mode-of-action are listed in the table below:

Note: This section applies to trichloroethylene and other mutagenic chemicals, but not to vinyl chloride.

Age Cohort	Exposure Duration	Age-dependent adjustment factor
0 - 2 years	2	10
2 - 6 years	4	3
6 - 16 years	10	3
16 - 26 years	10	1

Mutagenic-mode-of-action (MMOA) adjustment factor 25 This factor is used in the equations for mutagenic chemicals.

Vinyl Chloride — See the Navigation Guide equation for Cia,c for vinyl chloride.

Notation:
I = IRIS: EPA Integrated Risk Information System (IRIS). Available online at: http://www.epa.gov/iris/subst/index.html
P = PPRTV. EPA Provisional Peer Reviewed Toxicity Values (PPRTVs). Available online at: http://hhpprtv.ornl.gov/pprtv.shtml
A = Agency for Toxic Substances and Disease Registry (ATSDR) Minimum Risk Levels (MRLs). Available online at: http://www.atsdr.cdc.gov/mrls/index.html
CA = California Environmental Protection Agency/Office of Environmental Health Hazard Assessment assessments. Available online at: http://www.oehha.ca.gov/risk/ChemicalDB/index.asp
H = HEAST. EPA Superfund Health Effects Assessment Summary Tables (HEAST) database. Available online at: http://epa-heast.ornl.gov/heast.shtml

OSWER VAPOR INTRUSION ASSESSMENT

Groundwater Concentration to Indoor Air Concentration (GWC-IAC) Calculator Version 3.45, November 2015 RSLs

Parameter	Symbol	Value	Instructions
Exposure Scenario	Scenario	Commercial	Select residential or commercial scenario from pull down list
Target Risk for Carcinogens	TCR	1.00E-05	Enter target risk for carcinogens (for comparison to the calculated VI carcinogenic risk in column F)
Target Hazard Quotient for Non-Carcinogens	THQ	1	Enter target hazard quotient for non-carcinogens (for comparison to the calculated VI hazard in column G)
Average Groundwater Temperature (^{o}C)	Tgw	25	Enter average of the stabilized groundwater temperature to correct Henry's Law Constant for groundwater target concentrations

CAS	Chemical Name	Site Groundwater Concentration Cgw (ug/L)	Calculated Indoor Air Concentration Cia (ug/m^3)	VI Carcinogenic Risk CR	VI Hazard HQ	Inhalation Unit Risk IUR (ug/m^3)$^{-1}$	IUR Source*	Reference Concentration RfC (mg/m^3)	RFC Source*	Mutagenic Indicator i

S = See RSL User Guide, Section 5

X = PPRTV Appendix

Mut = Chemical acts according to the mutagenic-mode-of-action, special exposure parameters apply (see footnote (4) above).

VC = Special exposure equation for vinyl chloride applies (see Navigation Guide for equation).

TCE = Special mutagenic and non-mutagenic IURs for trichloroethylene apply (see footnote (4) above).

Yellow highlighting indicates site-specific parameters that may be edited by the user.

Blue highlighting indicates exposure factors that are based on Risk Assessment Guidance for Superfund (RAGS) or EPA vapor intrusion guidance, which generally should not be changed.

Pink highlighting indicates VI carcinogenic risk greater than the target risk for carcinogens (TCR) or VI Hazard greater than or equal to the target hazard quotient for non-carcinogens (THQ).

Appendix II – Well Construction Diagram

COMPLETION REPORT OF WELL No. MW-25

PROJECT: **Jesup D.O.T-District Office**
PROJECT NO: **4468-14-083A**
PROJECT LOCATION: **204 North Highway 301, Jesup, Wayne County, Georgia**

WATER LEVEL: **11.35 feet BTOC**
LATITUDE:
LONGITUDE:
TOP OF CASING ELEVATION: **96.04**
DATUM: **MSL**
LOGGED BY: **WJW**

DRILLING CONTRACTOR: **Saedacco**
DRILLING METHOD: **SMC**
DATE DRILLED: **10/4/18**

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	ELEVATION (feet)
Gray to black medium to fine **SAND**		0		0.21	TOC	96.04
		5				
		10				
Gray **CLAY**		15				
Gray medium to fine **SAND**		20				
		25				
Tan to black **CLAY**		30				
		35				
Black sandy **CLAY**						
Black medium to fine **SAND**		40				
Gray **CLAY**, Gray sandy **CLAY** between 43 and 44 feet		45				
		50				
Gray sandy **CLAY**		55				
		60		59.00	BS	37.25
				61.00	FP	35.25
				63.00	TSC	33.25
Gray clayey medium to fine **SAND**		65				
Gray **CLAY**						
		70		73.00	BSC	23.25
		75		75.00	TD	21.25
Boring terminated at 75 feet below land surface						

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type: **Flush mount**
Interval:

RISER CASING
Diameter: **2"**
Type: **Solid Sch. 40 PVC**
Interval: **0' - 65'**

GROUT
Type: **Portland Cement**
Interval: **0.5' - 61'**

SEAL
Type: **Bentonite Chips**
Interval: **61' - 63'**

FILTERPACK
Type: **Filter Sand**
Interval: **63' - 75'**

SCREEN
Diameter: **2"**
Type: **0.01" Slotted Sch. 40 PVC**
Interval: **65' - 75'**

LEGEND
- FILTER PACK
- BENTONITE
- CEMENT GROUT
- CUTTINGS / BACKFILL
- STATIC WATER LEVEL

TOC	TOP OF CASING
GS	GROUND SURFACE
BS	BENTONITE SEAL
FP	FILTER PACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
CG	CEMENT GROUT
H.S.A	HOLLOW STEM AUGER

S&ME Inc

COMPLETION REPORT OF WELL No. MW-25

MONITORING WELL BORING LOGS.GPJ S&ME.GDT 11/13/18

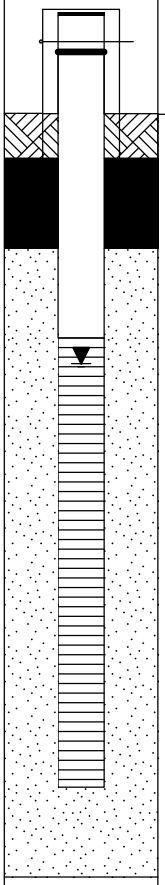
COMPLETION REPORT OF WELL No. MW-26

PROJECT: **Jesup D.O.T-District Office**
PROJECT NO: **4468-14-083A**
PROJECT LOCATION: **204 North Highway 301, Jesup, Wayne County, Georgia**

WATER LEVEL: **5.57 feet BTOC**
LATITUDE:
LONGITUDE:
TOP OF CASING ELEVATION: **87.54**
DATUM: **MSL**
LOGGED BY: **WJW**

DRILLING CONTRACTOR: **Saedacco**
DRILLING METHOD: **SMC**
DATE DRILLED: **10/3/18**

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	DEPTH (feet)	LEGEND	ELEVATION (feet)
			-2.17	TOC	87.54
Gray to black medium to fine **SAND**		0	0.00	CG	85.37
			1.00	BS	84.37
			3.00	FP	82.37
		5	5.00	TSC	80.37
Brown sandy **CLAY**		10			
Gray medium to fine **SAND**		15	15.00	BSC	70.37
Boring Terminated at 17 feet below ground surface			17.00	TD	68.37



WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
Diameter:
Type: **Steel Stick-up Well Housing w/ Locking Cap**
Interval: **2.17 feet**

RISER CASING
Diameter: **2"**
Type:
Interval: **+2' - 5'**

GROUT
Type: **Portland Cement**
Interval: **0' - 1'**

SEAL
Type: **Bentonite Chips**
Interval: **1' - 3'**

FILTERPACK
Type: **Filter Sand**
Interval: **3' - 15'**

SCREEN
Diameter: **2"**
Type: **0.01" Slotted Sch. 40 PVC**
Interval: **5' - 15'**

LEGEND

- FILTER PACK
- BENTONITE
- CEMENT GROUT
- CUTTINGS / BACKFILL
- STATIC WATER LEVEL

TOC	TOP OF CASING
GS	GROUND SURFACE
BS	BENTONITE SEAL
FP	FILTER PACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
CG	CEMENT GROUT
H.S.A	HOLLOW STEM AUGER

S&ME Inc

COMPLETION REPORT OF WELL No. MW-26

MONITORING WELL BORING LOGS.GPJ S&ME.GDT 11/13/18

Appendix III – Soil Laboratory Analytical Report

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

October 09, 2018

Mary C. Stacy
S & ME Inc. - Kennesaw, GA
3380 Town Point DR, STE 140
Kennesaw, GA 30144

RE: Project: Jesup Dot
Pace Project No.: 2610137

Dear Mary Stacy:
Enclosed are the analytical results for sample(s) received by the laboratory on October 05, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Eben Buchanan

Eben Buchanan
eben.buchanan@pacelabs.com
(770)734-4200
Project Manager

Enclosures

cc: Rebecca Thornton, Pace Analytical Atlanta

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: Jesup Dot
Pace Project No.: 2610137

Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
Georgia DW Microbiology Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Texas Certification #: T104704397-08-TX
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: Jesup Dot
Pace Project No.: 2610137

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2610137001	**MW-25 (3-5')**	Solid	10/03/18 14:35	10/05/18 11:54
2610137002	**MW-26 (0-2')**	Solid	10/03/18 14:55	10/05/18 11:54

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE ANALYTE COUNT

Project: Jesup Dot
Pace Project No.: 2610137

Lab ID	Sample ID	Method	Analysts	Analytes Reported
2610137001	**MW-25 (3-5')**	EPA 8260B	JHG	69
		Pace SOP #204	JPT	1
2610137002	**MW-26 (0-2')**	EPA 8260B	JHG	69
		Pace SOP #204	JPT	1

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Jesup Dot
Pace Project No.: 2610137

Sample: MW-25 (3-5') **Lab ID: 2610137001** Collected: 10/03/18 14:35 Received: 10/05/18 11:54 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035	Analytical Method: EPA 8260B Preparation Method: EPA 5035							
Acetone	ND	ug/kg	102	1	10/08/18 09:28	10/08/18 19:08	67-64-1	
Acrolein	ND	ug/kg	50.9	1	10/08/18 09:28	10/08/18 19:08	107-02-8	
Acrylonitrile	ND	ug/kg	50.9	1	10/08/18 09:28	10/08/18 19:08	107-13-1	
Benzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-27-4	
Bromoform	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-25-2	
Bromomethane	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	74-83-9	
2-Butanone (MEK)	ND	ug/kg	102	1	10/08/18 09:28	10/08/18 19:08	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	98-06-6	
Carbon tetrachloride	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	108-90-7	
Chloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	110-75-8	
Chloroform	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	67-66-3	
Chloromethane	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	96-12-8	
Dibromochloromethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	108-20-3	
Ethylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	99-87-6	
Methylene Chloride	ND	ug/kg	20.4	1	10/08/18 09:28	10/08/18 19:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.9	1	10/08/18 09:28	10/08/18 19:08	108-10-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Jesup Dot
Pace Project No.: 2610137

Sample: MW-25 (3-5') **Lab ID: 2610137001** Collected: 10/03/18 14:35 Received: 10/05/18 11:54 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035	Analytical Method: EPA 8260B Preparation Method: EPA 5035							
Methyl-tert-butyl ether	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	103-65-1	
Styrene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	127-18-4	
Toluene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1	10/08/18 09:28	10/08/18 19:08	108-67-8	
Vinyl chloride	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	75-01-4	
Xylene (Total)	ND	ug/kg	10.2	1	10/08/18 09:28	10/08/18 19:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	73-114	1	10/08/18 09:28	10/08/18 19:08	1868-53-7	
Toluene-d8 (S)	108	%.	85-109	1	10/08/18 09:28	10/08/18 19:08	2037-26-5	
4-Bromofluorobenzene (S)	113	%.	77-124	1	10/08/18 09:28	10/08/18 19:08	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%.	69-133	1	10/08/18 09:28	10/08/18 19:08	17060-07-0	
Percent Moisture	Analytical Method: Pace SOP #204							
Percent Moisture	**12.4**	%	0.10	1		10/08/18 14:43		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Jesup Dot
Pace Project No.: 2610137

Sample: MW-26 (0-2') **Lab ID: 2610137002** Collected: 10/03/18 14:55 Received: 10/05/18 11:54 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035	Analytical Method: EPA 8260B Preparation Method: EPA 5035							
Acetone	ND	ug/kg	101	1	10/08/18 09:28	10/08/18 19:33	67-64-1	
Acrolein	ND	ug/kg	50.3	1	10/08/18 09:28	10/08/18 19:33	107-02-8	
Acrylonitrile	ND	ug/kg	50.3	1	10/08/18 09:28	10/08/18 19:33	107-13-1	
Benzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	108-86-1	IS
Bromochloromethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-27-4	
Bromoform	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-25-2	
Bromomethane	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	74-83-9	
2-Butanone (MEK)	ND	ug/kg	101	1	10/08/18 09:28	10/08/18 19:33	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	104-51-8	IS
sec-Butylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	135-98-8	IS
tert-Butylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	98-06-6	IS
Carbon tetrachloride	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	108-90-7	
Chloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	110-75-8	
Chloroform	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	67-66-3	
Chloromethane	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	95-49-8	IS
4-Chlorotoluene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	106-43-4	IS
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	96-12-8	IS
Dibromochloromethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	95-50-1	IS
1,3-Dichlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	541-73-1	IS
1,4-Dichlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	106-46-7	IS
Dichlorodifluoromethane	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	10061-02-6	
Diisopropyl ether	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	108-20-3	
Ethylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	98-82-8	
p-Isopropyltoluene	**6.5**	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	99-87-6	IS
Methylene Chloride	ND	ug/kg	20.1	1	10/08/18 09:28	10/08/18 19:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	50.3	1	10/08/18 09:28	10/08/18 19:33	108-10-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: Jesup Dot
Pace Project No.: 2610137

Sample: MW-26 (0-2') **Lab ID: 2610137002** Collected: 10/03/18 14:55 Received: 10/05/18 11:54 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035	Analytical Method: EPA 8260B Preparation Method: EPA 5035							
Methyl-tert-butyl ether	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	91-20-3	IS
n-Propylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	103-65-1	IS
Styrene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	79-34-5	IS
Tetrachloroethene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	127-18-4	
Toluene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	87-61-6	IS
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	120-82-1	IS
1,1,1-Trichloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	96-18-4	IS
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	95-63-6	IS
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1	10/08/18 09:28	10/08/18 19:33	108-67-8	IS
Vinyl chloride	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	1	10/08/18 09:28	10/08/18 19:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%.	73-114	1	10/08/18 09:28	10/08/18 19:33	1868-53-7	
Toluene-d8 (S)	131	%.	85-109	1	10/08/18 09:28	10/08/18 19:33	2037-26-5	S0
4-Bromofluorobenzene (S)	151	%.	77-124	1	10/08/18 09:28	10/08/18 19:33	460-00-4	S0
1,2-Dichloroethane-d4 (S)	103	%.	69-133	1	10/08/18 09:28	10/08/18 19:33	17060-07-0	
Percent Moisture	Analytical Method: Pace SOP #204							
Percent Moisture	**11.8**	%	0.10	1		10/08/18 14:44		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

QC Batch: 14834 Analysis Method: EPA 8260B
QC Batch Method: EPA 5035 Analysis Description: 8260 MSV 5035
Associated Lab Samples: 2610137001, 2610137002

METHOD BLANK: 66441 Matrix: Solid
Associated Lab Samples: 2610137001, 2610137002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,1,1-Trichloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,1,2-Trichloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,1-Dichloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,1-Dichloroethene	ug/kg	ND	5.0	10/08/18 12:36	
1,1-Dichloropropene	ug/kg	ND	5.0	10/08/18 12:36	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,2,3-Trichloropropane	ug/kg	ND	5.0	10/08/18 12:36	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	10/08/18 12:36	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	10/08/18 12:36	
1,2-Dichlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,2-Dichloroethane	ug/kg	ND	5.0	10/08/18 12:36	
1,2-Dichloropropane	ug/kg	ND	5.0	10/08/18 12:36	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,3-Dichlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
1,3-Dichloropropane	ug/kg	ND	5.0	10/08/18 12:36	
1,4-Dichlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
2,2-Dichloropropane	ug/kg	ND	5.0	10/08/18 12:36	
2-Butanone (MEK)	ug/kg	ND	100	10/08/18 12:36	
2-Chloroethylvinyl ether	ug/kg	ND	10.0	10/08/18 12:36	
2-Chlorotoluene	ug/kg	ND	5.0	10/08/18 12:36	
4-Chlorotoluene	ug/kg	ND	5.0	10/08/18 12:36	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	50.0	10/08/18 12:36	
Acetone	ug/kg	ND	100	10/08/18 12:36	
Acrolein	ug/kg	ND	50.0	10/08/18 12:36	
Acrylonitrile	ug/kg	ND	50.0	10/08/18 12:36	
Benzene	ug/kg	ND	5.0	10/08/18 12:36	
Bromobenzene	ug/kg	ND	5.0	10/08/18 12:36	
Bromochloromethane	ug/kg	ND	5.0	10/08/18 12:36	
Bromodichloromethane	ug/kg	ND	5.0	10/08/18 12:36	
Bromoform	ug/kg	ND	5.0	10/08/18 12:36	
Bromomethane	ug/kg	ND	10.0	10/08/18 12:36	
Carbon tetrachloride	ug/kg	ND	5.0	10/08/18 12:36	
Chlorobenzene	ug/kg	ND	5.0	10/08/18 12:36	
Chloroethane	ug/kg	ND	5.0	10/08/18 12:36	
Chloroform	ug/kg	ND	5.0	10/08/18 12:36	
Chloromethane	ug/kg	ND	10.0	10/08/18 12:36	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	10/08/18 12:36	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

METHOD BLANK: 66441 Matrix: Solid
Associated Lab Samples: 2610137001, 2610137002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	10/08/18 12:36	
Dibromochloromethane	ug/kg	ND	5.0	10/08/18 12:36	
Dibromomethane	ug/kg	ND	5.0	10/08/18 12:36	
Dichlorodifluoromethane	ug/kg	ND	10.0	10/08/18 12:36	
Diisopropyl ether	ug/kg	ND	5.0	10/08/18 12:36	
Ethylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	10/08/18 12:36	
Methyl-tert-butyl ether	ug/kg	ND	5.0	10/08/18 12:36	
Methylene Chloride	ug/kg	ND	20.0	10/08/18 12:36	
n-Butylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
n-Propylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
Naphthalene	ug/kg	ND	5.0	10/08/18 12:36	
p-Isopropyltoluene	ug/kg	ND	5.0	10/08/18 12:36	
sec-Butylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
Styrene	ug/kg	ND	5.0	10/08/18 12:36	
tert-Butylbenzene	ug/kg	ND	5.0	10/08/18 12:36	
Tetrachloroethene	ug/kg	ND	5.0	10/08/18 12:36	
Toluene	ug/kg	ND	5.0	10/08/18 12:36	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	10/08/18 12:36	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	10/08/18 12:36	
Trichloroethene	ug/kg	ND	5.0	10/08/18 12:36	
Trichlorofluoromethane	ug/kg	ND	5.0	10/08/18 12:36	
Vinyl chloride	ug/kg	ND	10.0	10/08/18 12:36	
Xylene (Total)	ug/kg	ND	10.0	10/08/18 12:36	
1,2-Dichloroethane-d4 (S)	%.	105	69-133	10/08/18 12:36	
4-Bromofluorobenzene (S)	%.	107	77-124	10/08/18 12:36	
Dibromofluoromethane (S)	%.	103	73-114	10/08/18 12:36	
Toluene-d8 (S)	%.	105	85-109	10/08/18 12:36	

METHOD BLANK: 66445 Matrix: Solid
Associated Lab Samples: 2610137001, 2610137002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	250	10/08/18 12:12	
1,1,1-Trichloroethane	ug/kg	ND	250	10/08/18 12:12	
1,1,2,2-Tetrachloroethane	ug/kg	ND	250	10/08/18 12:12	
1,1,2-Trichloroethane	ug/kg	ND	250	10/08/18 12:12	
1,1-Dichloroethane	ug/kg	ND	250	10/08/18 12:12	
1,1-Dichloroethene	ug/kg	ND	250	10/08/18 12:12	
1,1-Dichloropropene	ug/kg	ND	250	10/08/18 12:12	
1,2,3-Trichlorobenzene	ug/kg	ND	250	10/08/18 12:12	
1,2,3-Trichloropropane	ug/kg	ND	250	10/08/18 12:12	
1,2,4-Trichlorobenzene	ug/kg	ND	250	10/08/18 12:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

METHOD BLANK: 66445 Matrix: Solid
Associated Lab Samples: 2610137001, 2610137002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	ND	250	10/08/18 12:12	
1,2-Dibromo-3-chloropropane	ug/kg	ND	250	10/08/18 12:12	
1,2-Dibromoethane (EDB)	ug/kg	ND	250	10/08/18 12:12	
1,2-Dichlorobenzene	ug/kg	ND	250	10/08/18 12:12	
1,2-Dichloroethane	ug/kg	ND	250	10/08/18 12:12	
1,2-Dichloropropane	ug/kg	ND	250	10/08/18 12:12	
1,3,5-Trimethylbenzene	ug/kg	ND	250	10/08/18 12:12	
1,3-Dichlorobenzene	ug/kg	ND	250	10/08/18 12:12	
1,3-Dichloropropane	ug/kg	ND	250	10/08/18 12:12	
1,4-Dichlorobenzene	ug/kg	ND	250	10/08/18 12:12	
2,2-Dichloropropane	ug/kg	ND	250	10/08/18 12:12	
2-Butanone (MEK)	ug/kg	ND	5000	10/08/18 12:12	
2-Chloroethylvinyl ether	ug/kg	ND	500	10/08/18 12:12	
2-Chlorotoluene	ug/kg	ND	250	10/08/18 12:12	
4-Chlorotoluene	ug/kg	ND	250	10/08/18 12:12	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	2500	10/08/18 12:12	
Acetone	ug/kg	ND	5000	10/08/18 12:12	
Acrolein	ug/kg	ND	2500	10/08/18 12:12	
Acrylonitrile	ug/kg	ND	2500	10/08/18 12:12	
Benzene	ug/kg	ND	250	10/08/18 12:12	
Bromobenzene	ug/kg	ND	250	10/08/18 12:12	
Bromochloromethane	ug/kg	ND	250	10/08/18 12:12	
Bromodichloromethane	ug/kg	ND	250	10/08/18 12:12	
Bromoform	ug/kg	ND	250	10/08/18 12:12	
Bromomethane	ug/kg	ND	500	10/08/18 12:12	
Carbon tetrachloride	ug/kg	ND	250	10/08/18 12:12	
Chlorobenzene	ug/kg	ND	250	10/08/18 12:12	
Chloroethane	ug/kg	ND	250	10/08/18 12:12	
Chloroform	ug/kg	ND	250	10/08/18 12:12	
Chloromethane	ug/kg	ND	500	10/08/18 12:12	
cis-1,2-Dichloroethene	ug/kg	ND	250	10/08/18 12:12	
cis-1,3-Dichloropropene	ug/kg	ND	250	10/08/18 12:12	
Dibromochloromethane	ug/kg	ND	250	10/08/18 12:12	
Dibromomethane	ug/kg	ND	250	10/08/18 12:12	
Dichlorodifluoromethane	ug/kg	ND	500	10/08/18 12:12	
Diisopropyl ether	ug/kg	ND	250	10/08/18 12:12	
Ethylbenzene	ug/kg	ND	250	10/08/18 12:12	
Isopropylbenzene (Cumene)	ug/kg	ND	250	10/08/18 12:12	
Methyl-tert-butyl ether	ug/kg	ND	250	10/08/18 12:12	
Methylene Chloride	ug/kg	ND	1000	10/08/18 12:12	
n-Butylbenzene	ug/kg	ND	250	10/08/18 12:12	
n-Propylbenzene	ug/kg	ND	250	10/08/18 12:12	
Naphthalene	ug/kg	ND	250	10/08/18 12:12	
p-Isopropyltoluene	ug/kg	ND	250	10/08/18 12:12	
sec-Butylbenzene	ug/kg	ND	250	10/08/18 12:12	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

METHOD BLANK: 66445 Matrix: Solid
Associated Lab Samples: 2610137001, 2610137002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Styrene	ug/kg	ND	250	10/08/18 12:12	
tert-Butylbenzene	ug/kg	ND	250	10/08/18 12:12	
Tetrachloroethene	ug/kg	ND	250	10/08/18 12:12	
Toluene	ug/kg	ND	250	10/08/18 12:12	
trans-1,2-Dichloroethene	ug/kg	ND	250	10/08/18 12:12	
trans-1,3-Dichloropropene	ug/kg	ND	250	10/08/18 12:12	
Trichloroethene	ug/kg	ND	250	10/08/18 12:12	
Trichlorofluoromethane	ug/kg	ND	250	10/08/18 12:12	
Vinyl chloride	ug/kg	ND	500	10/08/18 12:12	
Xylene (Total)	ug/kg	ND	500	10/08/18 12:12	
1,2-Dichloroethane-d4 (S)	%.	105	69-133	10/08/18 12:12	
4-Bromofluorobenzene (S)	%.	108	77-124	10/08/18 12:12	
Dibromofluoromethane (S)	%.	104	73-114	10/08/18 12:12	
Toluene-d8 (S)	%.	106	85-109	10/08/18 12:12	

LABORATORY CONTROL SAMPLE: 66442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	54.7	109	61-133	
1,1,1-Trichloroethane	ug/kg	50	51.8	104	71-149	
1,1,2,2-Tetrachloroethane	ug/kg	50	53.1	106	70-134	
1,1,2-Trichloroethane	ug/kg	50	49.2	98	74-139	
1,1-Dichloroethane	ug/kg	50	51.3	103	81-140	
1,1-Dichloroethene	ug/kg	50	53.6	107	68-150	
1,1-Dichloropropene	ug/kg	50	48.5	97	71-139	
1,2,3-Trichlorobenzene	ug/kg	50	49.4	99	40-164	
1,2,3-Trichloropropane	ug/kg	50	54.5	109	72-141	
1,2,4-Trichlorobenzene	ug/kg	50	51.0	102	49-147	
1,2,4-Trimethylbenzene	ug/kg	50	51.3	103	64-137	
1,2-Dibromo-3-chloropropane	ug/kg	50	50.3	101	80-134	
1,2-Dibromoethane (EDB)	ug/kg	50	50.3	101	70-143	
1,2-Dichlorobenzene	ug/kg	50	50.5	101	59-162	
1,2-Dichloroethane	ug/kg	50	50.0	100	69-135	
1,2-Dichloropropane	ug/kg	50	49.8	100	68-147	
1,3,5-Trimethylbenzene	ug/kg	50	51.3	103	68-138	
1,3-Dichlorobenzene	ug/kg	50	49.4	99	67-152	
1,3-Dichloropropane	ug/kg	50	48.8	98	67-143	
1,4-Dichlorobenzene	ug/kg	50	50.0	100	72-138	
2,2-Dichloropropane	ug/kg	50	54.3	109	56-162	
2-Butanone (MEK)	ug/kg	100	108	108	52-163	
2-Chloroethylvinyl ether	ug/kg	50	50.3	101	69-143	
2-Chlorotoluene	ug/kg	50	49.3	99	69-142	
4-Chlorotoluene	ug/kg	50	51.1	102	64-137	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	96.9	97	80-129	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

LABORATORY CONTROL SAMPLE: 66442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acetone	ug/kg	100	112	112	52-160	
Acrolein	ug/kg	100	101	101	42-183	
Acrylonitrile	ug/kg	200	202	101	63-133	
Benzene	ug/kg	50	51.5	103	70-141	
Bromobenzene	ug/kg	50	47.7	95	70-143	
Bromochloromethane	ug/kg	50	52.8	106	74-141	
Bromodichloromethane	ug/kg	50	53.8	108	68-125	
Bromoform	ug/kg	50	47.5	95	65-140	
Bromomethane	ug/kg	50	46.9	94	41-148	
Carbon tetrachloride	ug/kg	50	50.4	101	57-146	
Chlorobenzene	ug/kg	50	49.8	100	65-133	
Chloroethane	ug/kg	50	49.2	98	48-143	
Chloroform	ug/kg	50	50.0	100	72-138	
Chloromethane	ug/kg	50	52.3	105	41-147	
cis-1,2-Dichloroethene	ug/kg	50	51.3	103	71-142	
cis-1,3-Dichloropropene	ug/kg	50	48.4	97	69-129	
Dibromochloromethane	ug/kg	50	48.2	96	64-122	
Dibromomethane	ug/kg	50	52.3	105	68-147	
Dichlorodifluoromethane	ug/kg	50	48.5	97	18-147	
Diisopropyl ether	ug/kg	50	51.8	104	62-144	
Ethylbenzene	ug/kg	50	51.2	102	70-143	
Isopropylbenzene (Cumene)	ug/kg	50	51.9	104	65-140	
Methyl-tert-butyl ether	ug/kg	100	101	101	80-126	
Methylene Chloride	ug/kg	50	51.8	104	71-136	
n-Butylbenzene	ug/kg	50	50.3	101	46-179	
n-Propylbenzene	ug/kg	50	50.2	100	65-150	
Naphthalene	ug/kg	50	50.6	101	47-167	
p-Isopropyltoluene	ug/kg	50	51.8	104	70-134	
sec-Butylbenzene	ug/kg	50	51.2	102	70-141	
Styrene	ug/kg	50	53.3	107	68-134	
tert-Butylbenzene	ug/kg	50	50.9	102	66-142	
Tetrachloroethene	ug/kg	50	46.7	93	59-144	
Toluene	ug/kg	50	50.6	101	62-142	
trans-1,2-Dichloroethene	ug/kg	50	50.1	100	71-138	
trans-1,3-Dichloropropene	ug/kg	50	47.9	96	68-131	
Trichloroethene	ug/kg	50	50.7	101	65-152	
Trichlorofluoromethane	ug/kg	50	55.8	112	64-133	
Vinyl chloride	ug/kg	50	50.9	102	53-141	
Xylene (Total)	ug/kg	150	155	104	61-122	
1,2-Dichloroethane-d4 (S)	%.			107	69-133	
4-Bromofluorobenzene (S)	%.			105	77-124	
Dibromofluoromethane (S)	%.			108	73-114	
Toluene-d8 (S)	%.			108	85-109	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 66443 66444

Parameter	Units	2610123012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/kg	ND	3200	3200	3710	3680	116	115	30-131	1	26	
1,1,1-Trichloroethane	ug/kg	ND	3200	3200	3600	3570	113	112	42-146	1	25	
1,1,2,2-Tetrachloroethane	ug/kg	ND	3200	3200	3800	3840	119	120	25-144	1	18	
1,1,2-Trichloroethane	ug/kg	ND	3200	3200	3560	3500	111	110	52-130	2	26	
1,1-Dichloroethane	ug/kg	ND	3200	3200	3640	3690	114	115	52-145	1	24	
1,1-Dichloroethene	ug/kg	ND	3200	3200	3380	3340	106	104	39-154	1	27	
1,1-Dichloropropene	ug/kg	ND	3200	3200	3370	3300	105	103	45-137	2	26	
1,2,3-Trichlorobenzene	ug/kg	ND	3200	3200	3720	3600	116	112	32-136	3	21	
1,2,3-Trichloropropane	ug/kg	ND	3200	3200	3700	3690	116	115	26-154	0	34	
1,2,4-Trichlorobenzene	ug/kg	ND	3200	3200	3680	3620	115	113	21-130	1	28	
1,2,4-Trimethylbenzene	ug/kg	ND	3200	3200	3330	3350	104	105	13-152	1	31	
1,2-Dibromo-3-chloropropane	ug/kg	ND	3200	3200	3600	3440	113	107	42-120	5	81	
1,2-Dibromoethane (EDB)	ug/kg	ND	3200	3200	3810	3800	119	119	39-139	0	29	
1,2-Dichlorobenzene	ug/kg	ND	3200	3200	3620	3650	113	114	10-182	1	64	
1,2-Dichloroethane	ug/kg	ND	3200	3200	3600	3560	113	111	58-118	1	23	
1,2-Dichloropropane	ug/kg	ND	3200	3200	3640	3580	114	112	51-136	2	24	
1,3,5-Trimethylbenzene	ug/kg	ND	3200	3200	3730	3650	117	114	22-146	2	31	
1,3-Dichlorobenzene	ug/kg	ND	3200	3200	3600	3590	113	112	15-161	0	42	
1,3-Dichloropropane	ug/kg	ND	3200	3200	3670	3650	115	114	45-134	1	27	
1,4-Dichlorobenzene	ug/kg	ND	3200	3200	3550	3550	111	111	15-164	0	36	
2,2-Dichloropropane	ug/kg	ND	3200	3200	3770	3750	118	117	29-149	1	27	
2-Butanone (MEK)	ug/kg	ND	6390	6390	7820	7530	122	118	22-158	4	30	
2-Chloroethylvinyl ether	ug/kg	ND	3200	3200	3290	2910	103	91	34-146	12	31	
2-Chlorotoluene	ug/kg	ND	3200	3200	3490	3520	109	110	16-156	1	33	
4-Chlorotoluene	ug/kg	ND	3200	3200	3600	3550	113	111	11-151	1	35	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	6390	6390	6160	6050	96	94	29-135	2	33	
Acetone	ug/kg	ND	6390	6390	9680	8810	151	137	59-136	9	27	M1
Acrolein	ug/kg	ND	6390	6390	9200	8930	144	140	23-177	3	22	
Acrylonitrile	ug/kg	ND	12700	12700	13900	13900	109	109	38-130	0	23	
Benzene	ug/kg	ND	3200	3200	3650	3610	114	113	42-140	1	25	
Bromobenzene	ug/kg	ND	3200	3200	3390	3410	106	107	18-156	0	34	
Bromochloromethane	ug/kg	ND	3200	3200	3530	3430	110	107	59-127	3	22	
Bromodichloromethane	ug/kg	ND	3200	3200	3720	3660	116	115	39-123	1	24	
Bromoform	ug/kg	ND	3200	3200	3320	3230	104	101	30-136	3	22	
Bromomethane	ug/kg	ND	3200	3200	1080	1370	34	43	10-164	24	31	
Carbon tetrachloride	ug/kg	ND	3200	3200	3420	3380	107	106	33-136	1	27	
Chlorobenzene	ug/kg	ND	3200	3200	3530	3450	110	108	28-144	2	31	
Chloroethane	ug/kg	ND	3200	3200	1370	1300	43	41	10-163	6	30	
Chloroform	ug/kg	ND	3200	3200	3590	3570	112	112	52-131	0	23	
Chloromethane	ug/kg	ND	3200	3200	2620	2590	82	81	28-149	1	28	
cis-1,2-Dichloroethene	ug/kg	ND	3200	3200	3680	3500	115	109	50-134	5	23	
cis-1,3-Dichloropropene	ug/kg	ND	3200	3200	3440	3430	108	107	39-125	0	28	
Dibromochloromethane	ug/kg	ND	3200	3200	3300	3210	103	100	32-118	3	29	
Dibromomethane	ug/kg	ND	3200	3200	3750	3600	117	113	50-133	4	22	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 66443 66444

Parameter	Units	2610123012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dichlorodifluoromethane	ug/kg	ND	3200	3200	2810	2730	88	85	10-158	3	44	
Diisopropyl ether	ug/kg	ND	3200	3200	3680	3710	115	116	44-135	1	29	
Ethylbenzene	ug/kg	ND	3200	3200	3660	3650	114	114	13-164	0	33	
Isopropylbenzene (Cumene)	ug/kg	ND	3200	3200	3470	3450	109	108	13-156	0	33	
Methyl-tert-butyl ether	ug/kg	ND	6390	6390	6990	6930	109	108	73-131	1	36	
Methylene Chloride	ug/kg	ND	3200	3200	3750	3650	117	114	53-138	3	26	
n-Butylbenzene	ug/kg	ND	3200	3200	3560	3470	111	109	21-161	2	34	
n-Propylbenzene	ug/kg	ND	3200	3200	3480	3490	109	109	16-158	0	34	
Naphthalene	ug/kg	75.2	3200	3200	5650	5470	174	169	31-150	3	30	M1
p-Isopropyltoluene	ug/kg	ND	3200	3200	3470	3380	108	106	10-164	2	33	
sec-Butylbenzene	ug/kg	ND	3200	3200	3450	3440	108	108	12-164	0	34	
Styrene	ug/kg	ND	3200	3200	3990	3970	125	124	16-151	0	33	
tert-Butylbenzene	ug/kg	ND	3200	3200	3210	3200	100	100	10-160	0	33	
Tetrachloroethene	ug/kg	ND	3200	3200	3220	3160	101	99	33-141	2	32	
Toluene	ug/kg	ND	3200	3200	3630	3640	114	114	32-145	0	31	
trans-1,2-Dichloroethene	ug/kg	ND	3200	3200	3350	3410	105	107	43-144	2	26	
trans-1,3-Dichloropropene	ug/kg	ND	3200	3200	3380	3420	106	107	30-130	1	33	
Trichloroethene	ug/kg	ND	3200	3200	3320	3300	104	103	16-172	1	30	
Trichlorofluoromethane	ug/kg	ND	3200	3200	3830	3580	120	112	14-149	7	32	
Vinyl chloride	ug/kg	ND	3200	3200	2620	2540	82	79	40-140	3	28	
Xylene (Total)	ug/kg	ND	9590	9590	11400	11300	119	118	19-120	1	28	
1,2-Dichloroethane-d4 (S)	%.						110	110	69-133			
4-Bromofluorobenzene (S)	%.						102	103	77-124			
Dibromofluoromethane (S)	%.						107	108	73-114			
Toluene-d8 (S)	%.						107	107	85-109			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: Jesup Dot
Pace Project No.: 2610137

QC Batch: 14940
QC Batch Method: Pace SOP #204
Analysis Method: Pace SOP #204
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 2610137001, 2610137002

SAMPLE DUPLICATE: 66940

Parameter	Units	92401901002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	95.0	95.0	0	10	

SAMPLE DUPLICATE: 66941

Parameter	Units	2610157007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.7	16.5	7	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: Jesup Dot
Pace Project No.: 2610137

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IS	The internal standard response is below criteria. Results may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
S0	Surrogate recovery outside laboratory control limits.

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Jesup Dot
Pace Project No.: 2610137

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2610137001	**MW-25 (3-5')**	EPA 5035	14834	EPA 8260B	14858
2610137002	**MW-26 (0-2')**	EPA 5035	14834	EPA 8260B	14858
2610137001	**MW-25 (3-5')**	Pace SOP #204	14940		
2610137002	**MW-26 (0-2')**	Pace SOP #204	14940		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

2175595

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SME, Inc	Report To: BJ Wagner	Attention: BJ Wagner
Address: 3380 Town Pond Dr Kennesaw, GA	Copy To: Peter Fleury	Company Name: SME, Inc
		Address:
Email To: Wwagner@sme-inc.com	Purchase Order No.: 4468/14083A	Pace Quote Reference:
Phone: 770 9190969 Fax:	Project Name: Jesup DOT	Pace Project Manager:
Requested Due Date/TAT:	Project Number: 4468/14083A	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: GA

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (see valid codes to left)

MATRIX / CODE	
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs (8260B)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-25 (3-5')	SL	G			10/3/18	1435		5									X		
2	MW-26 (0-2')	SL	G			10/3/18	1455		5									X		
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

WO#: 2610137

2610137

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	BJ Wagner	10/5/18	1154	M Dalman	10/05/18	1154				
							0.2	Y	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: BJ Wagner

SIGNATURE of SAMPLER: BJ Wagner

DATE Signed (MM/DD/YY): 10/3/18

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: S+ME

Project #

WO#: 2610137

PM: EDB Due Date: 10/10/18

CLIENT: S&MEKennesaw

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used: B3 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 0.2 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 10/05/18 MK

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: SL		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed: Lot # of added preservative:
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Appendix IV – Field Data Sheets

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-1
Date: 10/9/18
Weather Conditions: Cloudy
Diameter (in); 2
Depth to Water (ft): 5.50
Depth to Bottom (ft): 37.17
Pump Intake Depth (ft): 32.17
One Well Volume Estimate (gal): 5.06
Purge Volume Estimate (gal): 3
Purge Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer
Sample Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
~~1203~~	4.61		0.3						
1206	4.60		0.3	6.52	75.3	27.0	264.2	3.08	248.8
1209	4.61		0.3	6.18	75.5	27.7	256.5	2.48	242.9
1212	4.63		0.3	6.46	74.5	27.6	198.4	2.34	~~458.4~~ 242.4
1215	4.61		0.3	6.45	73.7	27.6	196.4	2.29	241.2
1218	4.60		0.3	6.44	73.5	27.7	180.2	2.19	241.6
1221	4.61		0.3	6.43	73.4	27.6	153.3	2.16	242.1
1224	4.61		0.3	6.43	73.4	27.5	122.2	2.13	243.2
1227	4.60		0.3	6.42	~~75~~ 72.4	27.5	98.2	2.27	244.2
1230	4.61		0.3	6.41	72.2	27.3	94.3	2.50	245.9
1233	4.62		0.3	6.41	72.1	27.3	95.7	2.52	246.2
1236	4.62		0.3	6.40	72.1	27.4	100.1	2.50	246.5

Comments: Sample @ 1238

Sampler Name: Print Jesse Wheat Date: 10/9/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-1A
Date: 10/9/18
Weather Conditions: Rainy
Diameter (in); 2
Depth to Water (ft): 4.37
Depth to Bottom (ft): 10.52
Pump Intake Depth (ft): 5
One Well Volume Estimate (gal): 0.98
Purge Volume Estimate (gal): 2
Purge Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1608	4.59		0.3	6.57	94.7	29.2	54.4	1.08	164.1
1611	4.52		0.3	6.58	96.8	29.4	82.6	0.51	154.6
1614	4.50		–	–	–	–	–	–	
1618	4.50		0.3	6.58	96.9	29.5	87.4	0.43	142.0
1621	4.50		0.3	6.53	94.2	29.6	82.3	0.45	138.9
1624	4.50		0.3	6.53	100.1	29.6	84.3	0.42	137.3

pH - ORP

Comments: Sample 1624

Sampler Name: Print Jesse Wheat Date: 10/9/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-1R
Date: 10/10/18
Weather Conditions: partly cloudy
Diameter (in); 2
Depth to Water (ft): 4.29
Depth to Bottom (ft): 18.14
Pump Intake Depth (ft): 13.14
One Well Volume Estimate (gal): 8.31
Purge Volume Estimate (gal): 2-5
Purge Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer
Sample Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
0756	4.12		0.2						
0759	4.98		0.2	6.40	80.7	27.1	51.7	0.56	281.3
0802	5.00		0.2	6.40	79.9	27.3	42.8	0.48	282.7
0805	5.09		0.2	6.40	79.5	27.6	35.9	0.39	281.8
0808	5.09		0.2	6.40	79.3	27.6	35.7	0.33	282.7
0811	5.10		0.2	6.40	79.0	27.6	34.4	0.29	282.1

Comments: Sample @ 0813

Sampler Name: Print Jesse Wheat Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-2
Date: 10/10/18
Weather Conditions: cloudy 84°F
Diameter (in); 2
Depth to Water (ft): 3.08
Depth to Bottom (ft): 35.78
Pump Intake Depth (ft): 31
One Well Volume Estimate (gal): 5.50
Purge Volume Estimate (gal): 5
Purge Method (circle one): (Submersible Pump) Perstaltic Pump Bailer
Sample Method (circle one): (Submersible Pump) Perstaltic Pump Bailer

	Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
start	1025	3.08		0.75						
	1030	3.70	1	0.76	3.79	0.075	25.90	11.0	2.84	406
	1033	3.69	1 1/2	0.63	3.74	0.075	25.94	10.4	2.84	418
	1036	3.69	2	0.63	3.73	0.075	25.96	10.4	2.79	425
	1038	3.64	2 1/2	0.95	3.73	0.076	26.05	10.3	2.79	429
	1042	3.60	3	0.47	3.77	0.076	26.14	9.9	2.74	428
	1046	3.56	3 1/2	0.47	3.80	0.076	26.23	10.6	2.71	428
	1051	3.49	4	0.38	3.77	0.076	26.40	9.8	2.66	430
	1056	3.48	4 1/2	0.38	3.76	0.076	26.50	9.8	2.61	432
Sample time	1100									

Comments:

Sampler Name: Print Michael Hersey Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-2A
Date: 10/10/18
Weather Conditions: cloudy 84°F
Diameter (in); 2
Depth to Water (ft): 3.91
Depth to Bottom (ft): 17.78
Pump Intake Depth (ft): 13
One Well Volume Estimate (gal): 2.36
Purge Volume Estimate (gal): 7.5
Purge Method (circle one): **Submersible Pump** **Perstaltic Pump** **Bailer**
Sample Method (circle one): **Submersible Pump** **Perstaltic Pump** **Bailer**

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
Start 1140	3.91		0.25						
1149	4.03	1/2	0.21	3.85	0.082	28.46	21.0	5.21	385
1154	4.03	1	0.38	3.85	0.081	28.32	21.1	5.11	392
1200	4.03	1 1/2	0.47	3.81	0.082	28.34	21.0	4.82	397
1205	4.03	2	0.38	3.80	0.082	28.34	20.2	4.24	401
1210	4.04	2 1/2	0.38	3.79	0.082	28.33	20.4	3.85	403
1215	4.02	3	0.38	3.80	0.081	28.41	19.1	3.54	404
1221	4.05	3 1/2	0.32	3.85	0.081	28.42	19.0	3.19	405
1226	4.05	4	0.38	3.84	0.080	28.44	17.9	2.99	408
1231	4.05	4 1/2	0.38	3.83	0.080	28.50	17.5	2.85	409
1236	4.05	5	0.38	3.85	0.080	28.51	18.5	2.70	410
1240	4.05	5 1/2	0.47	3.86	0.080	28.56	17.7	2.59	408
1245	4.05	6	0.38	3.88	0.081	28.63	18.0	2.50	412
1250	4.05	6 1/2	0.38	3.85	0.081	28.69	17.6	2.42	417
1255	4.05	7	0.38	3.85	0.081	28.76	16.2	2.34	417
1300 sample time									

Comments:

Sampler Name:
Print Michael Hersey Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-3A
Date: 10/10/18
Weather Conditions: Cloudy
Diameter (in); 2
Depth to Water (ft): 14.46
Depth to Bottom (ft): 57.85
Pump Intake Depth (ft): 52.35
One Well Volume Estimate (gal): 6.9
Purge Volume Estimate (gal): 12
Purge Method (circle one): ~~Submersible Pump~~ Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1434	13.80		0.5						
1438	15.74		0.5	6.84	494.6	24.5	49.9	0.51	-153.6
1441	16.42		0.5	6.81	498.6	24.7	49.8	0.43	-160.3
1444	16.46		0.15	6.80	500	25.0	48.4	0.38	-163.3
1449	16.36		0.15	6.80	506	25.8	50.0	0.38	-160.5
1452	16.34		0.15	6.80	499.3	26.0	50.3	0.34	-168.1

Comments: Sample 1455
duplicate MW-3E @ 1500

Sampler Name: Print Jesse Wheat Date: 10/11/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-6
Date: 10/9/18
Weather Conditions: Sunny
Diameter (in); 2
Depth to Water (ft): 6.69
Depth to Bottom (ft): 37.48
Pump Intake Depth (ft): 32.48
One Well Volume Estimate (gal): 4.9
Purge Volume Estimate (gal): 3
Purge Method (circle one): (Submersible Pump) Perstaltic Pump Bailer
Sample Method (circle one): (Submersible Pump) Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
0912									
0914	8.05		0.3	6.58	90.5	23.8	370.1	0.41	156.4
0917	7.66		0.3	6.56	90.8	24.4	378.1	0.40	154.5
0920	7.57		0.3	6.57	88.9	24.6	356.3	0.41	152.9
0923	7.57		0.3	6.56	89.0	24.6	288.5	0.36	151.8
0926	7.61		0.3	6.58	88.9	24.7	181.3	0.32	148.2
0929	7.62		0.3	6.57	88.5	24.7	68.8	0.29	145.2
0932	7.62		0.3	6.58	88.3	24.7	54.1	0.28	143.8
0935	7.62		0.3	6.58	87.3	24.8	41.4	0.26	142.3
0938	7.62		0.3	6.58	87.6	24.8	34.2	0.25	141.1
0941	7.62		0.3	6.57	86.1	24.8	29.4	0.24	140.9
0944	7.62		0.3	6.57	86.7	24.9	28.3	0.23	141.3

Comments: Sample @ 0946

Sampler Name: Print Jesse Wheat Date: 10/9/18

2.15
2.26
2.26
2.65

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW 6A
Date: 10/9/18
Weather Conditions: Sunny
Diameter (in): 2
Depth to Water (ft): 7.33
Depth to Bottom (ft): 17.74
Pump Intake Depth (ft): 12.59
One Well Volume Estimate (gal): 1.63
Purge Volume Estimate (gal): 2
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1022			0.25						
1025	7.45		0.25	6.63	64.0	27.1	107.5	0.54	67.3
1028	7.39		0.25	6.61	63.7	27.6	129.6	0.51	63.9
1031	7.39		0.25	6.59	58.4	28.1	168.7	0.42	54.8
1034	7.39		0.25	6.55	58.1	28.4	164.3	0.36	55.2
1037	7.39		0.25	6.54	57.4	28.4	144.0	0.32	52.8
1040	7.39		0.25	6.53	58.6	28.7	117.0	0.28	49.5
1043	7.39		0.25	6.52	58.1	28.7	92.8	0.26	46.9
1047	7.39		0.25	6.52	57.6	28.3	49.4	0.24	39.3
1051	7.39		0.25	6.52	58.4	28.4	36.5	0.24	35.9
1054	7.39		0.25	6.51	58.4	28.4	28.6	0.27	32.8
1057	7.39		0.25	6.51	58.5	28.5	28.1	0.29	30.7
1100	7.39		0.25	6.51	57.8	28.3	27.3	0.31	29.3

Comments: Sample 1103

Sampler Name: Print Jesse Wheat Date: 10/9/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-6E
Date: 10/11/18
Weather Conditions: Partly cloudy 90°F
Diameter (in): 2
Depth to Water (ft): 17.70
Depth to Bottom (ft): 26.15
Pump Intake Depth (ft):
One Well Volume Estimate (gal): 9.94
Purge Volume Estimate (gal):
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump (Bailer)

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1710									

sample time

Comments: well pre bail, no purge, sampled w/ 1 inch poly bailer

Sampler Name: Print Michael Hersey Date: 10/11/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-7
Date: 10/10/18
Weather Conditions: Fair 79°F
Diameter (in); 2
Depth to Water (ft): 3.90
Depth to Bottom (ft): 23.05
Pump Intake Depth (ft): 18
One Well Volume Estimate (gal): 3.25
Purge Volume Estimate (gal): 4
Purge Method (circle one): (Submersible Pump) Perstaltic Pump Bailer
Sample Method (circle one): (Submersible Pump) Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
start 0857			0.4						
0901	4.76	1/2	0.47	3.28	0.081	26.43	49.9	3.29	431
0907	4.72	1	0.32	3.31	0.081	26.46	133	2.85	443
0911	4.75	1 1/2	0.47	3.34	0.081	26.46	67.2	2.68	447
0916	4.72	2	0.38	3.37	0.081	26.49	38.2	2.54	448
0920	4.69	2 1/2	0.47	3.40	0.081	26.53	18.3	2.48	449
0925	4.70	3	0.38	3.44	0.081	26.61	9.7	2.55	450
0931	4.72	3 1/2	0.32	3.46	0.081	26.62	5.9	2.43	450
sample 0935									

Comments:

Sampler Name:
Print Michael Hersey Date: 10/10/18

FIELD DATA SHEET

Projcct Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-7A
Date: 10/10/18
Weather Conditions: Partly Cloudy 77°F
Diameter (in); 2
Depth to Water (ft): 4.05
Depth to Bottom (ft): 33.16
Pump Intake Depth (ft): 28
One Well Volume Estimate (gal): 4.95
Purge Volume Estimate (gal): 2.5
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

	Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
start	0805	4.05		0.6						
	0808		1/2	0.63	3.32	0.074	25.04	0.3	7.50	385
	0812	4.84	1	0.47	3.30	0.073	25.12	0.0	7.08	403
	0815	4.84	1 1/2	0.63	3.30	0.073	25.16	0.0	6.68	414
	0818	4.84	2	0.63	3.31	0.073	25.18	0.0	6.28	423
sample time	0823									

Comments:

Sampler Name: Print Michael Hersey Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-7D
Date: 10/10/18
Weather Conditions: cloudy 87°F
Diameter (in); 2
Depth to Water (ft): 6.10
Depth to Bottom (ft): 49.04
Pump Intake Depth (ft): 44
One Well Volume Estimate (gal): 7.30
Purge Volume Estimate (gal): 3
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1445									
Start 1448	6.10		0.2						
1452	10.98	1/2	0.27	4.45	0.089	26.85	6.6	7.26	313
1457	13.70	1	0.38	4.44	0.089	26.79	6.1	6.70	316
1502	16.73	1 1/2	0.38	4.45	0.090	26.45	5.5	6.28	318
1507	19.47	2	0.38	4.46	0.098	26.35	5.6	6.18	317
Sample time 1514		3							

Comments:

Sampler Name: Print Michael Hersey Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-9
Date: 10/9/18
Weather Conditions: Partly cloudy
Diameter (in): 2
Depth to Water (ft): 5.78
Depth to Bottom (ft): 20.38
Pump Intake Depth (ft): 16
One Well Volume Estimate (gal): 2.48
Purge Volume Estimate (gal): 6.0
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
Start 0955	5.78		1						
1000	6.30	1	.75	3.39	0.058	26.90	45.7	6.27	351
1010	6.46	2	.60	3.11	0.058	26.93	16.2	5.93	369
1017	6.53	3	0.54	3.10	0.059	26.90	11.7	5.60	356
1023	6.53	4	0.63	3.24	0.059	26.89	11.5	5.23	344
1030	6.52	5	0.54	3.15	0.059	26.89	9.8	5.04	348
Sample 1035									

Comments:

Sampler Name:
Print Michael Hersey Date: 10/9/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-9A
Date: 10/9/18
Weather Conditions: Partly cloudy 83°F
Diameter (in); 2
Depth to Water (ft): 10.58
Depth to Bottom (ft): 53.68
Pump Intake Depth (ft): 49
One Well Volume Estimate (gal): 7.33
Purge Volume Estimate (gal): 8
Purge Method (circle one): **Submersible Pump** **Perstaltic Pump** **Bailer**
Sample Method (circle one): **Submersible Pump** **Perstaltic Pump** **Bailer**

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
~~1145~~ START	10.58								
1150	14.32	1	0.76	4.15	0.043	23.80	32.2	5.93	237
1158	14.43	2	0.47	3.99	0.043	23.71	38.4	6.00	234
1204	14.43	3	0.63	3.93	0.043	23.74	38.4	5.34	230
1214	14.74	4	0.38	3.85	0.043	23.56	27.9	5.00	229
1221	15.04	5	0.54	3.86	0.043	23.53	19.3	4.76	226
1227	15.21	6	0.63	3.85	0.043	23.47	13.0	4.55	223
1234	15.31	7	0.54	3.87	0.043	23.44	9.2	4.28	218
1240 sample time									

Comments:

Sampler Name:
Print Michael Hersey Date: 10/9/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-17
Date: 10/11/18
Weather Conditions: mostly Cloudy 89°F
Diameter (in); 2
Depth to Water (ft): 5.05
Depth to Bottom (ft): 17.64
Pump Intake Depth (ft): 12.6
One Well Volume Estimate (gal): 2.14
Purge Volume Estimate (gal): 8.5
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
start 1454	5.05		0.3						
1459	5.19	1/2	0.38	3.53	0.042	27.11	108	5.48	213
1503	5.20	1	0.47	3.50	0.042	27.08	84.4	5.86	201
1513	5.50	2	0.38	3.36	0.042	26.08	74.8	1.29	188
1516	5.45	3	1.26	3.45	0.044	26.79	57.2	1.42	174
1523	5.20	4	0.54	3.65	0.047	27.37	40.1	1.14	172
1534	5.15	5	0.35	3.73	0.047	28.42	36.2	1.17	166
1543	5.20	5 1/2	0.21	3.60	0.046	27.67	36.6	1.12	169
1549	5.20	6	0.32	3.66	0.047	27.49	32.1	1.27	163
1600	5.20	7	0.35	3.71	0.049	27.42	27.5	1.03	156
1606	5.20	7 1/2	0.32	3.72	0.049	27.49	26.3	1.02	153
1612	5.20	8	0.32	3.74	0.049	27.50	25.2	1.01	150
Sample time 1617		8 1/2							

Comments: Dark color

Sampler Name:
Print Michael Hersey Date: 10/11/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-20

Date: 10/10/18
Weather Conditions: Sunny
Diameter (in);
Depth to Water (ft): 14.44
Depth to Bottom (ft): 58.34
Pump Intake Depth (ft): 53.34
One Well Volume Estimate (gal): 7.024
Purge Volume Estimate (gal): 3.5
Purge Method (circle one): (Submersible Pump) Perstaltic Pump Bailer
Sample Method (circle one): (Submersible Pump) Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
0956	13.57		0.3						
1001	14.64		0.3	7.02	140.1	25.6	69.8	1.12	110.6
1004	14.64		0.3	7.03	140.9	26.0	66.7	1.03	83.3
1007	14.62		0.3	7.03	140.3	25.9	64.1	1.04	64.0
1010	14.60		0.3	7.02	139.8	26.1	61.3	1.05	47.8
1013	14.60		0.3	7.02	139.4	26.2	56.4	1.06	34.7
1016	14.66		0.3	7.01	138.5	26.0	48.6	1.01	15.7
1020	14.70		0.3	7.01	136.5	25.8	44.9	0.90	6.8
1024	14.68		0.3	7.00	135.0	25.9	45.5	0.84	2.0
1028	15.11		0.3	7.01	132.9	25.2	22.1	2.36	36.5
1031	15:03		0.3	6.99	132.5	25.1	26.0	1.55	19.1
1034	15.02		0.3	6.98	131.5	25.3	30.5	0.90	16.4
1037	15.09		0.3	6.98	130.4	25.2	23.8	0.64	12.6
1040	15.08		0.3	6.97	129.1	25.4	23.2	0.56	9.0
1043	15.11		0.3	6.97	129.3	25.4	20.2	0.54	9.9

Comments: Sample @ 1045

Sampler Name: Print Jesse Wheat Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-21
Date: 10/10/18
Weather Conditions: Sunny
Diameter (in); 2
Depth to Water (ft): 8.13
Depth to Bottom (ft): 18.08
Pump Intake Depth (ft): 13.08
One Well Volume Estimate (gal): 1.59
Purge Volume Estimate (gal): 4.5
Purge Method (circle one): (Submersible Pump) Perstaltic Pump Bailer
Sample Method (circle one): (Submersible Pump) Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
0846	7.72		~~0.3~~	~~6.45~~	~~76.5~~	~~25.8~~	~~435.5~~	~~1.06~~	~~105.3~~
0849	7.80		0.3	6.45	76.5	25.8	435.5	1.06	105.3
0852	7.80		0.3	6.43	76.4	26.0	535.8	0.71	90.8
0855	7.80		0.3	6.43	76.5	26.2	506.3	0.55	86.7
0858	7.81		0.5	6.42	75.8	26.1	605.5	0.65	87.5
0901	7.82		0.5	6.43	75.7	26.3	523.3	0.87	89.1
0904	7.81		0.5	6.43	75.4	26.4	314.1	0.63	90.3
0909	7.81		0.5	6.44	75.4	26.5	133.0	0.51	77.4
0913	7.81		0.5	6.45	71.3	26.5	93.6	0.37	69.5
0917	7.81		0.5	6.47	67.8	26.5	88.0	0.37	62.0
0921	7.81		0.5	6.47	65.2	26.5	86.6	0.29	57.1
0924	7.81		0.5	6.47	64.9	26.5	88.7	0.23	56.4

Comments:
Sample @ 0926

Sampler Name: Print Jesse Wheat Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-22
Date: 10/11/18
Weather Conditions: Sunny / windy
Diameter (in); 2
Depth to Water (ft): 4.82
Depth to Bottom (ft): 15.39
Pump Intake Depth (ft): 10.39
One Well Volume Estimate (gal): 1.7
Purge Volume Estimate (gal): 1.5
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1020	3.72		0.15						
1027	3.73		0.15	6.62	89.9	26.5	31.6	0.59	146.3
1031	3.73		0.15	6.60	91.5	26.6	30.3	0.57	125.4
1035	3.73		0.15	6.58	90.3	26.7	25.2	0.43	109.2
1039	3.73		0.15	6.51	82.0	26.9	22.4	0.36	106.4
1042	3.73		0.15	6.47	81.9	27.1	22.0	0.34	105.2

Comments: Sample @ 1045

Sampler Name: Print Jesse Wheat Date: 10/11/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-23
Date: 10/10/18
Weather Conditions: Sunny
Diameter (in); 2
Depth to Water (ft): 5.38
Depth to Bottom (ft): 15.10
Pump Intake Depth (ft): 10
One Well Volume Estimate (gal): 1.55
Purge Volume Estimate (gal): 2.0
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1109	4.92		0.3						
1112	5.01		0.3	6.77	85.2	27.3	375.2	0.43	37.4
1120	5.01		0.3	6.47	73.5	27.9	151.7	0.20	167.2
1124	5.01		0.3	6.46	73.3	27.9	102.2	0.16	171.0
1128	5.01		0.3	6.45	73.8	27.9	72.4	0.15	166.5
1132	5.02		0.3	6.44	73.7	27.9	70.1	0.15	162.9
1135	5.02		0.3	6.44	73.6	27.9	68.9	0.13	159.9

Comments: Sample @ 1138

Sampler Name: Print Jesse Wheat Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-23A
Date: 10/10/19
Weather Conditions: cloudy
Diameter (in); 2
Depth to Water (ft): 5.96
Depth to Bottom (ft): 43.40
Pump Intake Depth (ft): 39.40
One Well Volume Estimate (gal): 6.0
Purge Volume Estimate (gal): 5
Purge Method (circle one): Submersible Pump Perstaltic Pump Bailer
Sample Method (circle one): Submersible Pump Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
1239	4.80		0.4						
1249	7.20		0.4	5.64	1027	25.9	187.0	1.27	118.9
1253	7.10		0.4	5.56	99.3	26.0	116.3	1.26	105.0
1256	6.98		0.4	5.43	95.7	25.9	61.9	1.21	94.5
1300	7.02		0.4	5.37	94.0	25.9	50.9	1.17	86.7
1304	7.06		0.4	5.32	92.8	25.9	50.0	1.12	82.8
1307	7.07		0.4	5.31	92.3	26.0	50.9	1.11	80.5
restart 1318	6.80		0.4	6.62	90.6	24.9	90.9	1.91	161.8
1328	7.80		0.5	6.49	88.5	25.0	10.0	1.15	205.5
1331	7.85		0.5	6.47	87.8	25.0	12.4	1.11	210.1
1334	7.82		0.5	6.45	87.4	25.0	10.5	1.10	211.3

Comments: ~~Sample @ 1310~~ Generator ran out of gas | Sample 1337

Sampler Name: Print Jesse Wheat Date: 10/10/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-25
Date: 10/11/18

cloudy
2" well
H_2O lvl - 11.35

Bottom - 72.85
Pump - 67.85
1well vol - 9.84
Purge amount - 4

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
0802	8.60		0.4						
0813	12.13		0.4	7.19	2413	24.2	1302.1	0.55	-240.6
0823	15.54		0.4	7.18	1663	24.3	958.2	0.42	-253.1
0830	17.48		0.4	7.16	1375	23.7	856.1	0.32	-278.4
0836	17.55		0.2	7.11	1621	24.1	904.3	0.23	-284.6
0840	17.54		0.3	7.10	1537	24.1	826.7	0.22	-292.9
0844	17.55		0.3	7.07	1514	24.1	938.8	0.21	-297.1
0849	17.59		0.3	7.04	1612	24.01	730.8	0.20	-295.1
0853	17.61		0.3	7.00	1787	24.1	210.9	0.18	-305.6
0857	17.65		0.3	6.97	1920	24.0	1720.8	0.16	-314.6
0901	17.80		0.3	6.96	1992	24.0	1710.9	0.15	-317.6
0918	18.30		0.3	6.94	2108	23.9	1629.9	0.17	-337.9
0922	18.50		0.3	6.92	2111	23.9	2026.6	0.12	-346.9
0926	17.70		0.2	6.92	2093	24.3	1707.3	0.12	-349.9
0930	16.90		0.2	6.92	2074	24.5	1713.2	0.12	-351.4
0933	16.60		0.2	6.93	2041	24.3	1567.3	0.11	-345.6
0937	16.72		0.3	6.93	1993	24.1	1587.3	0.11	-343.6

Comments: Sample @ 0940 Samples were effervescent
duplicate MW-25A @ 0900

Sampler Name: Print Jesse Wheat Date: 10/11/18

FIELD DATA SHEET

Project Name: GDOT Jesup
Site: Jesup District Office - Jesup, GA
Project Number: 4468-14-083A

Well ID: MW-26
Date: 10/11/18
Weather Conditions: Cloudy 80°F
Diameter (in); 2
Depth to Water (ft): 4.20
Depth to Bottom (ft): 17.80
Pump Intake Depth (ft): 12.6
One Well Volume Estimate (gal): 2.28
Purge Volume Estimate (gal): 12.5
Purge Method (circle one): **Submersible Pump** Perstaltic Pump Bailer
Sample Method (circle one): **Submersible Pump** Perstaltic Pump Bailer

Time	DTW	Volume Purged (gallons)	Purge Rate (L/min)	pH	Spec Cond (uS/cm)	Temp (°C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)
start 0822	4.20		0.5						
0828	4.35	1/2	0.32	4.13	0.093	24.81	2.58	2.09	135
0836	4.36	1	0.24	4.09	0.098	24.92	185	2.06	128
0843	4.35	1 1/2	0.27	4.05	0.097	24.95	125	1.87	130
0850	4.35	2	0.27	3.99	0.094	24.93	95.5	1.62	133
0856	4.34	2 1/2	0.32	4.03	0.095	24.94	72.7	1.46	132
0902	4.35	3	0.32	4.02	0.093	24.92	55.9	1.35	132
0908	4.35	3 1/2	0.32	4.03	0.092	24.93	45.4	1.28	134
0916	4.38	4	0.27	4.02	0.091	24.94	40.5	1.25	134
0922	4.57	5	0.54	3.96	0.088	24.98	102	1.21	141
0928	4.55	6	0.63	4.02	0.088	24.97	110	1.17	135
0932	4.55	7	0.95	4.05	0.089	24.97	81.2	1.16	133
0938	4.54	8	0.63	4.09	0.088	24.95	55.4	1.08	131
0943	4.54	9	0.76	4.14	0.089	24.98	40.7	1.05	126
0950	4.51	10	0.54	4.15	0.086	24.97	32.6	1.19	127
0957	4.48	11	0.54	4.40	0.087	24.94	24.8	1.02	111
1001	4.45	11 1/2	0.47	4.39	0.087	24.97	22.9	1.00	110
sample time 1010									

Comments: Duplicate taken labled as MW-15E 0830

Sampler Name:
Print Michael Hersey Date: 10/11/18

Appendix V – Groundwater Laboratory Analytical Report

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

October 24, 2018

Mary C. Stacy
S & ME Inc. - Kennesaw, GA
3380 Town Point DR, STE 140
Kennesaw, GA 30144

RE: Project: GDOT Jesup
Pace Project No.: 2610478

Dear Mary Stacy:
Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sakina Mckenzie for
Eben Buchanan
eben.buchanan@pacelabs.com
(770)734-4200
Project Manager

Enclosures

cc: Rebecca Thornton, Pace Analytical Atlanta

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

CERTIFICATIONS

Project: GDOT Jesup
Pace Project No.: 2610478

Atlanta Certification IDs

110 Technology Parkway Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812
Georgia DW Microbiology Certification #: 812
North Carolina Certification #: 381
South Carolina Certification #: 98011001
Texas Certification #: T104704397-08-TX
Virginia Certification #: 460204

Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078
Louisiana/NELAP Certification # LA170028
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Virginia/VELAP Certification #: 460221

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

SAMPLE SUMMARY

Project: GDOT Jesup
Pace Project No.: 2610478

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2610478001	**MW-1**	Water	10/09/18 12:38	10/15/18 15:10
2610478002	**MW-1A**	Water	10/09/18 16:26	10/15/18 15:10
2610478003	**MW-1B**	Water	10/10/18 08:13	10/15/18 15:10
2610478004	**MW-2**	Water	10/10/18 11:00	10/15/18 15:10
2610478005	**MW-2A**	Water	10/10/18 13:00	10/15/18 15:10
2610478006	**MW-3A**	Water	10/11/18 14:55	10/15/18 15:10
2610478007	**MW-3E**	Water	10/11/18 15:00	10/15/18 15:10
2610478008	**MW-6**	Water	10/09/18 09:46	10/15/18 15:10
2610478009	**MW-6A**	Water	10/09/18 11:03	10/15/18 15:10
2610478010	**MW-6E**	Water	10/11/18 17:10	10/15/18 15:10
2610478011	**MW-7**	Water	10/10/18 09:35	10/15/18 15:10
2610478012	**MW-7A**	Water	10/10/18 08:23	10/15/18 15:10
2610478013	**MW-7D**	Water	10/10/18 15:14	10/15/18 15:10
2610478014	**MW-9**	Water	10/09/18 10:35	10/15/18 15:10
2610478015	**MW-9A**	Water	10/09/18 12:40	10/15/18 15:10
2610478016	**MW-15E**	Water	10/11/18 08:30	10/15/18 15:10
2610478017	**MW-17**	Water	10/11/18 16:17	10/15/18 15:10
2610478018	**MW-20**	Water	10/10/18 10:45	10/15/18 15:10
2610478019	**MW-21**	Water	10/10/18 09:26	10/15/18 15:10
2610478020	**MW-22**	Water	10/11/18 10:45	10/15/18 15:10
2610478021	**MW-23**	Water	10/10/18 11:38	10/15/18 15:10
2610478022	**MW-23A**	Water	10/10/18 13:37	10/15/18 15:10
2610478023	**MW-25**	Water	10/11/18 09:40	10/15/18 15:10
2610478024	**MW-25A**	Water	10/11/18 09:00	10/15/18 15:10
2610478025	**MW-26**	Water	10/11/18 10:10	10/15/18 15:10
2610478026	**Equipment Blank #1**	Water	10/10/18 14:00	10/15/18 15:10
2610478027	**Equipment Blank #2**	Water	10/11/18 10:55	10/15/18 15:10
2610478028	**Equipment Blank #3**	Water	10/11/18 11:05	10/15/18 15:10
2610478029	**Trip Blank**	Water	10/11/18 17:30	10/15/18 15:10
2610478030	**Sludge Water**	Water	10/11/18 17:30	10/15/18 15:10

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: GDOT Jesup
Pace Project No.: 2610478

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2610478001	**MW-1**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478002	**MW-1A**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478003	**MW-1B**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478004	**MW-2**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478005	**MW-2A**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478006	**MW-3A**	EPA 8260B	GAW	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478007	**MW-3E**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478008	**MW-6**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478009	**MW-6A**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478010	**MW-6E**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478011	**MW-7**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478012	**MW-7A**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478013	**MW-7D**	EPA 6020B	CSW	1	PASI-GA
		EPA 8260B	GAW	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478014	**MW-9**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478015	**MW-9A**	EPA 8260B	GAW	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478016	**MW-15E**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478017	**MW-17**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478018	**MW-20**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: GDOT Jesup
Pace Project No.: 2610478

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2610478019	**MW-21**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478020	**MW-22**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478021	**MW-23**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478022	**MW-23A**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478023	**MW-25**	EPA 8260B	GAW	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478024	**MW-25A**	EPA 8260B	GAW	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478025	**MW-26**	EPA 8260B	SAS	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478026	**Equipment Blank #1**	EPA 8260B	CL	63	PASI-C
2610478027	**Equipment Blank #2**	EPA 8260B	GAW	63	PASI-C
2610478028	**Equipment Blank #3**	EPA 8260B	CL	63	PASI-C
2610478029	**Trip Blank**	EPA 8260B	CL	63	PASI-C
		EPA 8260B Mod.	DLK	3	PASI-C
2610478030	**Sludge Water**	EPA 8260B	GAW	63	PASI-C

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1 **Lab ID: 2610478001** Collected: 10/09/18 12:38 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/18/18 23:39	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/18/18 23:39	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/18/18 23:39	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/18/18 23:39	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/18/18 23:39	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/18/18 23:39	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/18/18 23:39	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/18/18 23:39	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/18/18 23:39	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/18/18 23:39	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 23:39	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 23:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/18/18 23:39	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/18/18 23:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/18/18 23:39	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/18/18 23:39	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/18/18 23:39	75-71-8	M1
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	107-06-2	
1,1-Dichloroethene	**0.0026**	mg/L	0.0010	1		10/18/18 23:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 23:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 23:39	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:39	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:39	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:39	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:39	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:39	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/18/18 23:39	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/18/18 23:39	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/18/18 23:39	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/18/18 23:39	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/18/18 23:39	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/18/18 23:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/18/18 23:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/18/18 23:39	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/18/18 23:39	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/18/18 23:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/18/18 23:39	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1 **Lab ID: 2610478001** Collected: 10/09/18 12:38 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/18/18 23:39	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:39	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 23:39	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/18/18 23:39	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/18/18 23:39	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/18/18 23:39	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/18/18 23:39	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/18/18 23:39	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/18/18 23:39	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/18/18 23:39	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/18/18 23:39	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		10/18/18 23:39	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		10/18/18 23:39	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/18/18 23:39	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 16:05	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/18/18 16:05	17060-07-0	
Toluene-d8 (S)	119	%	50-150	1		10/18/18 16:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1A **Lab ID: 2610478002** Collected: 10/09/18 16:26 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 00:11	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 00:11	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 00:11	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 00:11	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 00:11	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 00:11	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 00:11	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 00:11	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 00:11	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 00:11	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 00:11	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 00:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 00:11	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 00:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 00:11	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 00:11	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 00:11	75-71-8	
1,1-Dichloroethane	**0.0089**	mg/L	0.0010	1		10/19/18 00:11	75-34-3	D6
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	107-06-2	
1,1-Dichloroethene	**0.0014**	mg/L	0.0010	1		10/19/18 00:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 00:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 00:11	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 00:11	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 00:11	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 00:11	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 00:11	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 00:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 00:11	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 00:11	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 00:11	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 00:11	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 00:11	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 00:11	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 00:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 00:11	108-10-1	
Methyl-tert-butyl ether	**0.0014**	mg/L	0.0010	1		10/19/18 00:11	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 00:11	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 00:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 00:11	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1A **Lab ID: 2610478002** Collected: 10/09/18 16:26 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 00:11	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 00:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 00:11	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 00:11	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 00:11	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 00:11	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 00:11	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 00:11	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 00:11	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 00:11	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 00:11	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/19/18 00:11	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		10/19/18 00:11	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/19/18 00:11	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 17:03	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/18/18 17:03	17060-07-0	
Toluene-d8 (S)	131	%	50-150	1		10/18/18 17:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1B **Lab ID: 2610478003** Collected: 10/10/18 08:13 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 01:00	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 01:00	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 01:00	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 01:00	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 01:00	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 01:00	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 01:00	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 01:00	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 01:00	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 01:00	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 01:00	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 01:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 01:00	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 01:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 01:00	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 01:00	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 01:00	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	107-06-2	
1,1-Dichloroethene	**0.0068**	mg/L	0.0010	1		10/19/18 01:00	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 01:00	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 01:00	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:00	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:00	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:00	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:00	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:00	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:00	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 01:00	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 01:00	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 01:00	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 01:00	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 01:00	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 01:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 01:00	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 01:00	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 01:00	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 01:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 01:00	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-1B **Lab ID: 2610478003** Collected: 10/10/18 08:13 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 01:00	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:00	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 01:00	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 01:00	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 01:00	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 01:00	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 01:00	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 01:00	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 01:00	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 01:00	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 01:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		10/19/18 01:00	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/19/18 01:00	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		10/19/18 01:00	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 17:23	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/18/18 17:23	17060-07-0	
Toluene-d8 (S)	122	%	50-150	1		10/18/18 17:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-2 **Lab ID: 2610478004** Collected: 10/10/18 11:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 01:32	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 01:32	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 01:32	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 01:32	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 01:32	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 01:32	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 01:32	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 01:32	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 01:32	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 01:32	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 01:32	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 01:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 01:32	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 01:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 01:32	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 01:32	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 01:32	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	107-06-2	
1,1-Dichloroethene	**0.0011**	mg/L	0.0010	1		10/19/18 01:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 01:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 01:32	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:32	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:32	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 01:32	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:32	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 01:32	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 01:32	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 01:32	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 01:32	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 01:32	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 01:32	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 01:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 01:32	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 01:32	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 01:32	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 01:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 01:32	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-2 **Lab ID: 2610478004** Collected: 10/10/18 11:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 01:32	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 01:32	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 01:32	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 01:32	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 01:32	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 01:32	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 01:32	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 01:32	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 01:32	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 01:32	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 01:32	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		10/19/18 01:32	460-00-4	
1,2-Dichloroethane-d4 (S)	90	%	70-130	1		10/19/18 01:32	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/19/18 01:32	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 17:42	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/18/18 17:42	17060-07-0	
Toluene-d8 (S)	120	%	50-150	1		10/18/18 17:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-2A **Lab ID: 2610478005** Collected: 10/10/18 13:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 02:04	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 02:04	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 02:04	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 02:04	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 02:04	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 02:04	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 02:04	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 02:04	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 02:04	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 02:04	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 02:04	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 02:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 02:04	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 02:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 02:04	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 02:04	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 02:04	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 02:04	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 02:04	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 02:04	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 02:04	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 02:04	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 02:04	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 02:04	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 02:04	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 02:04	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 02:04	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 02:04	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 02:04	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 02:04	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 02:04	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 02:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 02:04	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 02:04	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 02:04	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 02:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 02:04	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-2A **Lab ID: 2610478005** Collected: 10/10/18 13:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 02:04	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 02:04	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 02:04	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 02:04	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 02:04	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 02:04	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 02:04	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 02:04	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 02:04	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 02:04	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 02:04	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/19/18 02:04	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	1		10/19/18 02:04	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/19/18 02:04	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 18:02	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/18/18 18:02	17060-07-0	
Toluene-d8 (S)	119	%	50-150	1		10/18/18 18:02	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-3A **Lab ID: 2610478006** Collected: 10/11/18 14:55 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	2.5	100		10/21/18 21:37	67-64-1	
Benzene	ND	mg/L	0.10	100		10/21/18 21:37	71-43-2	
Bromobenzene	ND	mg/L	0.10	100		10/21/18 21:37	108-86-1	
Bromochloromethane	ND	mg/L	0.10	100		10/21/18 21:37	74-97-5	
Bromodichloromethane	ND	mg/L	0.10	100		10/21/18 21:37	75-27-4	
Bromoform	ND	mg/L	0.10	100		10/21/18 21:37	75-25-2	M1
Bromomethane	ND	mg/L	0.20	100		10/21/18 21:37	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.50	100		10/21/18 21:37	78-93-3	
Carbon tetrachloride	ND	mg/L	0.10	100		10/21/18 21:37	56-23-5	M1
Chlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	108-90-7	
Chloroethane	ND	mg/L	0.10	100		10/21/18 21:37	75-00-3	M1
Chloroform	ND	mg/L	0.10	100		10/21/18 21:37	67-66-3	
Chloromethane	ND	mg/L	0.10	100		10/21/18 21:37	74-87-3	
2-Chlorotoluene	ND	mg/L	0.10	100		10/21/18 21:37	95-49-8	
4-Chlorotoluene	ND	mg/L	0.10	100		10/21/18 21:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.20	100		10/21/18 21:37	96-12-8	R1
Dibromochloromethane	ND	mg/L	0.10	100		10/21/18 21:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.10	100		10/21/18 21:37	106-93-4	
Dibromomethane	ND	mg/L	0.10	100		10/21/18 21:37	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.10	100		10/21/18 21:37	75-71-8	
1,1-Dichloroethane	**0.30**	mg/L	0.10	100		10/21/18 21:37	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.10	100		10/21/18 21:37	107-06-2	
1,1-Dichloroethene	**9.0**	mg/L	0.10	100		10/21/18 21:37	75-35-4	M1
cis-1,2-Dichloroethene	ND	mg/L	0.10	100		10/21/18 21:37	156-59-2	M1
trans-1,2-Dichloroethene	ND	mg/L	0.10	100		10/21/18 21:37	156-60-5	M1
1,2-Dichloropropane	ND	mg/L	0.10	100		10/21/18 21:37	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.10	100		10/21/18 21:37	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.10	100		10/21/18 21:37	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.10	100		10/21/18 21:37	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.10	100		10/21/18 21:37	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.10	100		10/21/18 21:37	10061-02-6	
Diisopropyl ether	ND	mg/L	0.10	100		10/21/18 21:37	108-20-3	
Ethylbenzene	ND	mg/L	0.10	100		10/21/18 21:37	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.10	100		10/21/18 21:37	87-68-3	
2-Hexanone	ND	mg/L	0.50	100		10/21/18 21:37	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.10	100		10/21/18 21:37	99-87-6	
Methylene Chloride	ND	mg/L	0.20	100		10/21/18 21:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.50	100		10/21/18 21:37	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.10	100		10/21/18 21:37	1634-04-4	
Naphthalene	ND	mg/L	0.10	100		10/21/18 21:37	91-20-3	
Styrene	ND	mg/L	0.10	100		10/21/18 21:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.10	100		10/21/18 21:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.10	100		10/21/18 21:37	79-34-5	
Tetrachloroethene	ND	mg/L	0.10	100		10/21/18 21:37	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-3A **Lab ID: 2610478006** Collected: 10/11/18 14:55 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.10	100		10/21/18 21:37	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.10	100		10/21/18 21:37	120-82-1	
1,1,1-Trichloroethane	**0.91**	mg/L	0.10	100		10/21/18 21:37	71-55-6	M1
1,1,2-Trichloroethane	ND	mg/L	0.10	100		10/21/18 21:37	79-00-5	
Trichloroethene	ND	mg/L	0.10	100		10/21/18 21:37	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.10	100		10/21/18 21:37	75-69-4	M1
1,2,3-Trichloropropane	ND	mg/L	0.10	100		10/21/18 21:37	96-18-4	
Vinyl acetate	ND	mg/L	0.20	100		10/21/18 21:37	108-05-4	
Vinyl chloride	ND	mg/L	0.10	100		10/21/18 21:37	75-01-4	M1
Xylene (Total)	ND	mg/L	0.10	100		10/21/18 21:37	1330-20-7	
m&p-Xylene	ND	mg/L	0.20	100		10/21/18 21:37	179601-23-1	
o-Xylene	ND	mg/L	0.10	100		10/21/18 21:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	100		10/21/18 21:37	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	100		10/21/18 21:37	17060-07-0	
Toluene-d8 (S)	106	%	70-130	100		10/21/18 21:37	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 18:21	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	50-150	1		10/18/18 18:21	17060-07-0	
Toluene-d8 (S)	118	%	50-150	1		10/18/18 18:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-3E **Lab ID: 2610478007** Collected: 10/11/18 15:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	1.0	40		10/20/18 00:14	67-64-1	M1
Benzene	**0.065**	mg/L	0.040	40		10/20/18 00:14	71-43-2	
Bromobenzene	ND	mg/L	0.040	40		10/20/18 00:14	108-86-1	
Bromochloromethane	ND	mg/L	0.040	40		10/20/18 00:14	74-97-5	
Bromodichloromethane	ND	mg/L	0.040	40		10/20/18 00:14	75-27-4	
Bromoform	ND	mg/L	0.040	40		10/20/18 00:14	75-25-2	
Bromomethane	ND	mg/L	0.080	40		10/20/18 00:14	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.20	40		10/20/18 00:14	78-93-3	M1,R1
Carbon tetrachloride	ND	mg/L	0.040	40		10/20/18 00:14	56-23-5	
Chlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	108-90-7	
Chloroethane	ND	mg/L	0.040	40		10/20/18 00:14	75-00-3	
Chloroform	ND	mg/L	0.040	40		10/20/18 00:14	67-66-3	
Chloromethane	ND	mg/L	0.040	40		10/20/18 00:14	74-87-3	
2-Chlorotoluene	ND	mg/L	0.040	40		10/20/18 00:14	95-49-8	
4-Chlorotoluene	ND	mg/L	0.040	40		10/20/18 00:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.080	40		10/20/18 00:14	96-12-8	
Dibromochloromethane	ND	mg/L	0.040	40		10/20/18 00:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.040	40		10/20/18 00:14	106-93-4	
Dibromomethane	ND	mg/L	0.040	40		10/20/18 00:14	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.040	40		10/20/18 00:14	75-71-8	
1,1-Dichloroethane	**0.29**	mg/L	0.040	40		10/20/18 00:14	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.040	40		10/20/18 00:14	107-06-2	
1,1-Dichloroethene	**7.6**	mg/L	0.040	40		10/20/18 00:14	75-35-4	
cis-1,2-Dichloroethene	**0.054**	mg/L	0.040	40		10/20/18 00:14	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.040	40		10/20/18 00:14	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.040	40		10/20/18 00:14	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.040	40		10/20/18 00:14	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.040	40		10/20/18 00:14	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.040	40		10/20/18 00:14	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.040	40		10/20/18 00:14	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.040	40		10/20/18 00:14	10061-02-6	
Diisopropyl ether	ND	mg/L	0.040	40		10/20/18 00:14	108-20-3	
Ethylbenzene	ND	mg/L	0.040	40		10/20/18 00:14	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.040	40		10/20/18 00:14	87-68-3	
2-Hexanone	ND	mg/L	0.20	40		10/20/18 00:14	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.040	40		10/20/18 00:14	99-87-6	
Methylene Chloride	ND	mg/L	0.080	40		10/20/18 00:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.20	40		10/20/18 00:14	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.040	40		10/20/18 00:14	1634-04-4	
Naphthalene	ND	mg/L	0.040	40		10/20/18 00:14	91-20-3	M1,R1
Styrene	ND	mg/L	0.040	40		10/20/18 00:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.040	40		10/20/18 00:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.040	40		10/20/18 00:14	79-34-5	
Tetrachloroethene	ND	mg/L	0.040	40		10/20/18 00:14	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-3E **Lab ID: 2610478007** Collected: 10/11/18 15:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	**0.24**	mg/L	0.040	40		10/20/18 00:14	108-88-3	M1,R1
1,2,3-Trichlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.040	40		10/20/18 00:14	120-82-1	
1,1,1-Trichloroethane	**1.1**	mg/L	0.040	40		10/20/18 00:14	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.040	40		10/20/18 00:14	79-00-5	
Trichloroethene	**0.066**	mg/L	0.040	40		10/20/18 00:14	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.040	40		10/20/18 00:14	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.040	40		10/20/18 00:14	96-18-4	
Vinyl acetate	ND	mg/L	0.080	40		10/20/18 00:14	108-05-4	
Vinyl chloride	ND	mg/L	0.040	40		10/20/18 00:14	75-01-4	
Xylene (Total)	ND	mg/L	0.040	40		10/20/18 00:14	1330-20-7	MS,RS
m&p-Xylene	ND	mg/L	0.080	40		10/20/18 00:14	179601-23-1	M1,R1
o-Xylene	ND	mg/L	0.040	40		10/20/18 00:14	95-47-6	M1,R1
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	40		10/20/18 00:14	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130	40		10/20/18 00:14	17060-07-0	
Toluene-d8 (S)	102	%	70-130	40		10/20/18 00:14	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 18:40	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	103	%	50-150	1		10/18/18 18:40	17060-07-0	
Toluene-d8 (S)	126	%	50-150	1		10/18/18 18:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6 **Lab ID: 2610478008** Collected: 10/09/18 09:46 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 03:08	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 03:08	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 03:08	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 03:08	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 03:08	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 03:08	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 03:08	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 03:08	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 03:08	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 03:08	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 03:08	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 03:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 03:08	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 03:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 03:08	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 03:08	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 03:08	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	107-06-2	
1,1-Dichloroethene	**0.0044**	mg/L	0.0010	1		10/19/18 03:08	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 03:08	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 03:08	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:08	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:08	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:08	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:08	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:08	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:08	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 03:08	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 03:08	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 03:08	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 03:08	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 03:08	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 03:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 03:08	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 03:08	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 03:08	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 03:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 03:08	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6 **Lab ID: 2610478008** Collected: 10/09/18 09:46 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 03:08	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:08	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 03:08	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 03:08	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 03:08	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 03:08	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 03:08	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 03:08	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 03:08	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 03:08	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 03:08	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/19/18 03:08	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130	1		10/19/18 03:08	17060-07-0	
Toluene-d8 (S)	98	%	70-130	1		10/19/18 03:08	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 19:00	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	50-150	1		10/18/18 19:00	17060-07-0	
Toluene-d8 (S)	124	%	50-150	1		10/18/18 19:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6A **Lab ID: 2610478009** Collected: 10/09/18 11:03 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 03:41	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 03:41	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 03:41	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 03:41	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 03:41	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 03:41	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 03:41	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 03:41	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 03:41	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 03:41	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 03:41	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 03:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 03:41	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 03:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 03:41	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 03:41	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 03:41	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 03:41	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 03:41	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 03:41	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:41	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:41	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 03:41	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:41	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:41	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 03:41	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 03:41	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 03:41	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 03:41	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 03:41	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 03:41	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 03:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 03:41	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 03:41	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 03:41	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 03:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 03:41	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6A **Lab ID: 2610478009** Collected: 10/09/18 11:03 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 03:41	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 03:41	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 03:41	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 03:41	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 03:41	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 03:41	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 03:41	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 03:41	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 03:41	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 03:41	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 03:41	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	1		10/19/18 03:41	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/19/18 03:41	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		10/19/18 03:41	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 19:19	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/18/18 19:19	17060-07-0	
Toluene-d8 (S)	128	%	50-150	1		10/18/18 19:19	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6E **Lab ID: 2610478010** Collected: 10/11/18 17:10 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 04:13	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 04:13	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 04:13	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 04:13	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 04:13	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 04:13	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 04:13	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 04:13	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 04:13	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 04:13	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 04:13	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 04:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 04:13	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 04:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 04:13	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 04:13	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 04:13	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	107-06-2	
1,1-Dichloroethene	**0.0068**	mg/L	0.0010	1		10/19/18 04:13	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 04:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 04:13	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:13	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:13	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:13	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:13	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:13	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 04:13	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 04:13	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 04:13	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 04:13	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 04:13	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 04:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 04:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 04:13	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 04:13	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 04:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 04:13	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-6E **Lab ID: 2610478010** Collected: 10/11/18 17:10 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 04:13	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 04:13	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 04:13	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 04:13	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 04:13	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 04:13	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 04:13	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 04:13	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 04:13	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 04:13	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/19/18 04:13	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		10/19/18 04:13	17060-07-0	
Toluene-d8 (S)	102	%	70-130	1		10/19/18 04:13	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	**0.0037**	mg/L	0.0020	1		10/18/18 19:38	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		10/18/18 19:38	17060-07-0	
Toluene-d8 (S)	126	%	50-150	1		10/18/18 19:38	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7 **Lab ID: 2610478011** Collected: 10/10/18 09:35 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 04:45	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 04:45	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 04:45	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 04:45	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 04:45	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 04:45	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 04:45	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 04:45	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 04:45	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 04:45	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 04:45	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 04:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 04:45	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 04:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 04:45	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 04:45	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 04:45	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	107-06-2	
1,1-Dichloroethene	**0.0042**	mg/L	0.0010	1		10/19/18 04:45	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 04:45	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 04:45	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:45	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:45	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 04:45	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:45	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:45	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 04:45	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 04:45	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 04:45	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 04:45	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 04:45	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 04:45	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 04:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 04:45	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 04:45	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 04:45	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 04:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 04:45	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7 **Lab ID: 2610478011** Collected: 10/10/18 09:35 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 04:45	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 04:45	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 04:45	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/19/18 04:45	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 04:45	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 04:45	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 04:45	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 04:45	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 04:45	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 04:45	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 04:45	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		10/19/18 04:45	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	1		10/19/18 04:45	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/19/18 04:45	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 19:58	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		10/18/18 19:58	17060-07-0	
Toluene-d8 (S)	114	%	50-150	1		10/18/18 19:58	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7A **Lab ID: 2610478012** Collected: 10/10/18 08:23 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/19/18 05:17	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/19/18 05:17	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/19/18 05:17	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/19/18 05:17	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/19/18 05:17	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/19/18 05:17	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/19/18 05:17	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/19/18 05:17	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/19/18 05:17	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/19/18 05:17	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 05:17	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/19/18 05:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/19/18 05:17	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/19/18 05:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/19/18 05:17	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/19/18 05:17	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/19/18 05:17	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	107-06-2	
1,1-Dichloroethene	**0.10**	mg/L	0.0010	1		10/19/18 05:17	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 05:17	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/19/18 05:17	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 05:17	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 05:17	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/19/18 05:17	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 05:17	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 05:17	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/19/18 05:17	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/19/18 05:17	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/19/18 05:17	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/19/18 05:17	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/19/18 05:17	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/19/18 05:17	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/19/18 05:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/19/18 05:17	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/19/18 05:17	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/19/18 05:17	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/19/18 05:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/19/18 05:17	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7A **Lab ID: 2610478012** Collected: 10/10/18 08:23 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/19/18 05:17	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/19/18 05:17	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/19/18 05:17	79-00-5	
Trichloroethene	**0.0014**	mg/L	0.0010	1		10/19/18 05:17	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/19/18 05:17	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/19/18 05:17	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/19/18 05:17	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/19/18 05:17	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/19/18 05:17	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/19/18 05:17	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/19/18 05:17	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		10/19/18 05:17	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	70-130	1		10/19/18 05:17	17060-07-0	
Toluene-d8 (S)	99	%	70-130	1		10/19/18 05:17	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 20:17	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	50-150	1		10/18/18 20:17	17060-07-0	
Toluene-d8 (S)	123	%	50-150	1		10/18/18 20:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7D **Lab ID: 2610478013** Collected: 10/10/18 15:14 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020B MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A							
Lead	ND	mg/L	0.0010	1	10/17/18 11:05	10/18/18 16:09	7439-92-1	
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.050	2		10/21/18 20:30	67-64-1	
Benzene	ND	mg/L	0.0020	2		10/21/18 20:30	71-43-2	
Bromobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	108-86-1	
Bromochloromethane	ND	mg/L	0.0020	2		10/21/18 20:30	74-97-5	
Bromodichloromethane	ND	mg/L	0.0020	2		10/21/18 20:30	75-27-4	
Bromoform	ND	mg/L	0.0020	2		10/21/18 20:30	75-25-2	
Bromomethane	ND	mg/L	0.0040	2		10/21/18 20:30	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.010	2		10/21/18 20:30	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0020	2		10/21/18 20:30	56-23-5	
Chlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	108-90-7	
Chloroethane	ND	mg/L	0.0020	2		10/21/18 20:30	75-00-3	
Chloroform	ND	mg/L	0.0020	2		10/21/18 20:30	67-66-3	
Chloromethane	ND	mg/L	0.0020	2		10/21/18 20:30	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0020	2		10/21/18 20:30	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0020	2		10/21/18 20:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0040	2		10/21/18 20:30	96-12-8	
Dibromochloromethane	ND	mg/L	0.0020	2		10/21/18 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0020	2		10/21/18 20:30	106-93-4	
Dibromomethane	ND	mg/L	0.0020	2		10/21/18 20:30	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0020	2		10/21/18 20:30	75-71-8	
1,1-Dichloroethane	**0.0034**	mg/L	0.0020	2		10/21/18 20:30	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0020	2		10/21/18 20:30	107-06-2	
1,1-Dichloroethene	**0.31**	mg/L	0.0020	2		10/21/18 20:30	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0020	2		10/21/18 20:30	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0020	2		10/21/18 20:30	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0020	2		10/21/18 20:30	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0020	2		10/21/18 20:30	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0020	2		10/21/18 20:30	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0020	2		10/21/18 20:30	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0020	2		10/21/18 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0020	2		10/21/18 20:30	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0020	2		10/21/18 20:30	108-20-3	
Ethylbenzene	ND	mg/L	0.0020	2		10/21/18 20:30	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0020	2		10/21/18 20:30	87-68-3	
2-Hexanone	ND	mg/L	0.010	2		10/21/18 20:30	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0020	2		10/21/18 20:30	99-87-6	
Methylene Chloride	ND	mg/L	0.0040	2		10/21/18 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.010	2		10/21/18 20:30	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0020	2		10/21/18 20:30	1634-04-4	
Naphthalene	ND	mg/L	0.0020	2		10/21/18 20:30	91-20-3	
Styrene	ND	mg/L	0.0020	2		10/21/18 20:30	100-42-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-7D **Lab ID: 2610478013** Collected: 10/10/18 15:14 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0020	2		10/21/18 20:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0020	2		10/21/18 20:30	79-34-5	
Tetrachloroethene	ND	mg/L	0.0020	2		10/21/18 20:30	127-18-4	
Toluene	ND	mg/L	0.0020	2		10/21/18 20:30	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	2		10/21/18 20:30	120-82-1	
1,1,1-Trichloroethane	**0.076**	mg/L	0.0020	2		10/21/18 20:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0020	2		10/21/18 20:30	79-00-5	
Trichloroethene	**0.0027**	mg/L	0.0020	2		10/21/18 20:30	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0020	2		10/21/18 20:30	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0020	2		10/21/18 20:30	96-18-4	
Vinyl acetate	ND	mg/L	0.0040	2		10/21/18 20:30	108-05-4	
Vinyl chloride	ND	mg/L	0.0020	2		10/21/18 20:30	75-01-4	
Xylene (Total)	ND	mg/L	0.0020	2		10/21/18 20:30	1330-20-7	
m&p-Xylene	ND	mg/L	0.0040	2		10/21/18 20:30	179601-23-1	
o-Xylene	ND	mg/L	0.0020	2		10/21/18 20:30	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	102	%	70-130	2		10/21/18 20:30	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130	2		10/21/18 20:30	17060-07-0	
Toluene-d8 (S)	108	%	70-130	2		10/21/18 20:30	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 20:36	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	50-150	1		10/18/18 20:36	17060-07-0	
Toluene-d8 (S)	128	%	50-150	1		10/18/18 20:36	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-9 **Lab ID: 2610478014** Collected: 10/09/18 10:35 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 14:21	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 14:21	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 14:21	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 14:21	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 14:21	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 14:21	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 14:21	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 14:21	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 14:21	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 14:21	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 14:21	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 14:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 14:21	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 14:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 14:21	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 14:21	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 14:21	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	107-06-2	
1,1-Dichloroethene	**0.0041**	mg/L	0.0010	1		10/20/18 14:21	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 14:21	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 14:21	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 14:21	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 14:21	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 14:21	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 14:21	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 14:21	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 14:21	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 14:21	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 14:21	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 14:21	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 14:21	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 14:21	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 14:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 14:21	108-10-1	
Methyl-tert-butyl ether	**0.0018**	mg/L	0.0010	1		10/20/18 14:21	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 14:21	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 14:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 14:21	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-9 **Lab ID: 2610478014** Collected: 10/09/18 10:35 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 14:21	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 14:21	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 14:21	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 14:21	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 14:21	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 14:21	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 14:21	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 14:21	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 14:21	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 14:21	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 14:21	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/20/18 14:21	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130	1		10/20/18 14:21	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/20/18 14:21	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 20:56	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	1		10/18/18 20:56	17060-07-0	
Toluene-d8 (S)	113	%	50-150	1		10/18/18 20:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-9A **Lab ID: 2610478015** Collected: 10/09/18 12:40 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.10	4		10/21/18 21:03	67-64-1	
Benzene	ND	mg/L	0.0040	4		10/21/18 21:03	71-43-2	
Bromobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	108-86-1	
Bromochloromethane	ND	mg/L	0.0040	4		10/21/18 21:03	74-97-5	
Bromodichloromethane	ND	mg/L	0.0040	4		10/21/18 21:03	75-27-4	
Bromoform	ND	mg/L	0.0040	4		10/21/18 21:03	75-25-2	
Bromomethane	ND	mg/L	0.0080	4		10/21/18 21:03	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.020	4		10/21/18 21:03	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0040	4		10/21/18 21:03	56-23-5	
Chlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	108-90-7	
Chloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	75-00-3	
Chloroform	ND	mg/L	0.0040	4		10/21/18 21:03	67-66-3	
Chloromethane	ND	mg/L	0.0040	4		10/21/18 21:03	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0040	4		10/21/18 21:03	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0040	4		10/21/18 21:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0080	4		10/21/18 21:03	96-12-8	
Dibromochloromethane	ND	mg/L	0.0040	4		10/21/18 21:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0040	4		10/21/18 21:03	106-93-4	
Dibromomethane	ND	mg/L	0.0040	4		10/21/18 21:03	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0040	4		10/21/18 21:03	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	107-06-2	
1,1-Dichloroethene	**0.45**	mg/L	0.0040	4		10/21/18 21:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/21/18 21:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/21/18 21:03	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0040	4		10/21/18 21:03	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0040	4		10/21/18 21:03	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0040	4		10/21/18 21:03	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0040	4		10/21/18 21:03	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/21/18 21:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/21/18 21:03	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0040	4		10/21/18 21:03	108-20-3	
Ethylbenzene	ND	mg/L	0.0040	4		10/21/18 21:03	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0040	4		10/21/18 21:03	87-68-3	
2-Hexanone	ND	mg/L	0.020	4		10/21/18 21:03	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0040	4		10/21/18 21:03	99-87-6	
Methylene Chloride	ND	mg/L	0.0080	4		10/21/18 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.020	4		10/21/18 21:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0040	4		10/21/18 21:03	1634-04-4	
Naphthalene	ND	mg/L	0.0040	4		10/21/18 21:03	91-20-3	
Styrene	ND	mg/L	0.0040	4		10/21/18 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	79-34-5	
Tetrachloroethene	ND	mg/L	0.0040	4		10/21/18 21:03	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-9A **Lab ID: 2610478015** Collected: 10/09/18 12:40 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0040	4		10/21/18 21:03	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0040	4		10/21/18 21:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0040	4		10/21/18 21:03	79-00-5	
Trichloroethene	ND	mg/L	0.0040	4		10/21/18 21:03	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0040	4		10/21/18 21:03	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0040	4		10/21/18 21:03	96-18-4	
Vinyl acetate	ND	mg/L	0.0080	4		10/21/18 21:03	108-05-4	
Vinyl chloride	ND	mg/L	0.0040	4		10/21/18 21:03	75-01-4	
Xylene (Total)	ND	mg/L	0.0040	4		10/21/18 21:03	1330-20-7	
m&p-Xylene	ND	mg/L	0.0080	4		10/21/18 21:03	179601-23-1	
o-Xylene	ND	mg/L	0.0040	4		10/21/18 21:03	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	103	%	70-130	4		10/21/18 21:03	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130	4		10/21/18 21:03	17060-07-0	
Toluene-d8 (S)	108	%	70-130	4		10/21/18 21:03	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 21:15	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	50-150	1		10/18/18 21:15	17060-07-0	
Toluene-d8 (S)	118	%	50-150	1		10/18/18 21:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-15E **Lab ID: 2610478016** Collected: 10/11/18 08:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 07:25	67-64-1	M1
Benzene	ND	mg/L	0.0010	1		10/20/18 07:25	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 07:25	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 07:25	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 07:25	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 07:25	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 07:25	78-93-3	M1
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 07:25	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 07:25	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 07:25	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 07:25	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 07:25	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 07:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 07:25	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 07:25	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 07:25	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 07:25	75-71-8	
1,1-Dichloroethane	**0.0019**	mg/L	0.0010	1		10/20/18 07:25	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 07:25	107-06-2	
1,1-Dichloroethene	**0.024**	mg/L	0.0010	1		10/20/18 07:25	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 07:25	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 07:25	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 07:25	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 07:25	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 07:25	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 07:25	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 07:25	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 07:25	108-20-3	M1
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 07:25	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 07:25	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 07:25	591-78-6	M1
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 07:25	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 07:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 07:25	108-10-1	M1
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 07:25	1634-04-4	M1
Naphthalene	ND	mg/L	0.0010	1		10/20/18 07:25	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 07:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 07:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 07:25	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 07:25	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-15E **Lab ID: 2610478016** Collected: 10/11/18 08:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 07:25	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 07:25	120-82-1	
1,1,1-Trichloroethane	**0.0047**	mg/L	0.0010	1		10/20/18 07:25	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 07:25	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 07:25	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 07:25	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 07:25	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 07:25	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 07:25	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 07:25	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 07:25	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 07:25	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/20/18 07:25	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130	1		10/20/18 07:25	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/20/18 07:25	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 21:34	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	50-150	1		10/18/18 21:34	17060-07-0	
Toluene-d8 (S)	134	%	50-150	1		10/18/18 21:34	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-17 **Lab ID: 2610478017** Collected: 10/11/18 16:17 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 08:00	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 08:00	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 08:00	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 08:00	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 08:00	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 08:00	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 08:00	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 08:00	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 08:00	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 08:00	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 08:00	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 08:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 08:00	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 08:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 08:00	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 08:00	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 08:00	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:00	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:00	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:00	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:00	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:00	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:00	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:00	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:00	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:00	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 08:00	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 08:00	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 08:00	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 08:00	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 08:00	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 08:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 08:00	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 08:00	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 08:00	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 08:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 08:00	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-17 **Lab ID: 2610478017** Collected: 10/11/18 16:17 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 08:00	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:00	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 08:00	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 08:00	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 08:00	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 08:00	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 08:00	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 08:00	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 08:00	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 08:00	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 08:00	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/20/18 08:00	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		10/20/18 08:00	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		10/20/18 08:00	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 21:53	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	50-150	1		10/18/18 21:53	17060-07-0	
Toluene-d8 (S)	119	%	50-150	1		10/18/18 21:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-20 **Lab ID: 2610478018** Collected: 10/10/18 10:45 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 08:34	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 08:34	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 08:34	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 08:34	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 08:34	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 08:34	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 08:34	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 08:34	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 08:34	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 08:34	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 08:34	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 08:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 08:34	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 08:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 08:34	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 08:34	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 08:34	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:34	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:34	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 08:34	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:34	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:34	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 08:34	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:34	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:34	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 08:34	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 08:34	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 08:34	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 08:34	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 08:34	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 08:34	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 08:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 08:34	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 08:34	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 08:34	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 08:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 08:34	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-20 **Lab ID: 2610478018** Collected: 10/10/18 10:45 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 08:34	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 08:34	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 08:34	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 08:34	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 08:34	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 08:34	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 08:34	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 08:34	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 08:34	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 08:34	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 08:34	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/20/18 08:34	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		10/20/18 08:34	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/20/18 08:34	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 22:13	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		10/18/18 22:13	17060-07-0	
Toluene-d8 (S)	123	%	50-150	1		10/18/18 22:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-21 **Lab ID: 2610478019** Collected: 10/10/18 09:26 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 09:09	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 09:09	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 09:09	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 09:09	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 09:09	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 09:09	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 09:09	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 09:09	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 09:09	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 09:09	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 09:09	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 09:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 09:09	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 09:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 09:09	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 09:09	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 09:09	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 09:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 09:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 09:09	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:09	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:09	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:09	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:09	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:09	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 09:09	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 09:09	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 09:09	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 09:09	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 09:09	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 09:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 09:09	108-10-1	
Methyl-tert-butyl ether	**0.0011**	mg/L	0.0010	1		10/20/18 09:09	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 09:09	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 09:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 09:09	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-21 **Lab ID: 2610478019** Collected: 10/10/18 09:26 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 09:09	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 09:09	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 09:09	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 09:09	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 09:09	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 09:09	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 09:09	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 09:09	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 09:09	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 09:09	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	99	%	70-130	1		10/20/18 09:09	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		10/20/18 09:09	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/20/18 09:09	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 22:32	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	1		10/18/18 22:32	17060-07-0	
Toluene-d8 (S)	131	%	50-150	1		10/18/18 22:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-22 **Lab ID: 2610478020** Collected: 10/11/18 10:45 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 09:44	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 09:44	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 09:44	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 09:44	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 09:44	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 09:44	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 09:44	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 09:44	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 09:44	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 09:44	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 09:44	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 09:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 09:44	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 09:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 09:44	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 09:44	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 09:44	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	107-06-2	
1,1-Dichloroethene	**0.0058**	mg/L	0.0010	1		10/20/18 09:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 09:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 09:44	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:44	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:44	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 09:44	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:44	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 09:44	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 09:44	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 09:44	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 09:44	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 09:44	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 09:44	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 09:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 09:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 09:44	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 09:44	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 09:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 09:44	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-22 **Lab ID: 2610478020** Collected: 10/11/18 10:45 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 09:44	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 09:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 09:44	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 09:44	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 09:44	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 09:44	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 09:44	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 09:44	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 09:44	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 09:44	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 09:44	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	1		10/20/18 09:44	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		10/20/18 09:44	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/20/18 09:44	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 22:51	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	50-150	1		10/18/18 22:51	17060-07-0	
Toluene-d8 (S)	125	%	50-150	1		10/18/18 22:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-23 **Lab ID: 2610478021** Collected: 10/10/18 11:38 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 10:18	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 10:18	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 10:18	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 10:18	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 10:18	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 10:18	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 10:18	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 10:18	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 10:18	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 10:18	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 10:18	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 10:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 10:18	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 10:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 10:18	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 10:18	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 10:18	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:18	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:18	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:18	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:18	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:18	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:18	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:18	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:18	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:18	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 10:18	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 10:18	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 10:18	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 10:18	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 10:18	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 10:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 10:18	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 10:18	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 10:18	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 10:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 10:18	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-23 **Lab ID: 2610478021** Collected: 10/10/18 11:38 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 10:18	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:18	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 10:18	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 10:18	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 10:18	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 10:18	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 10:18	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 10:18	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 10:18	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 10:18	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 10:18	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/20/18 10:18	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	70-130	1		10/20/18 10:18	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/20/18 10:18	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 23:11	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	50-150	1		10/18/18 23:11	17060-07-0	
Toluene-d8 (S)	125	%	50-150	1		10/18/18 23:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-23A **Lab ID: 2610478022** Collected: 10/10/18 13:37 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 10:53	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 10:53	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 10:53	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 10:53	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 10:53	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 10:53	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 10:53	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 10:53	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 10:53	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 10:53	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 10:53	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 10:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 10:53	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 10:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 10:53	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 10:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 10:53	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 10:53	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:53	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:53	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 10:53	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:53	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 10:53	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 10:53	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 10:53	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 10:53	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 10:53	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 10:53	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 10:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 10:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 10:53	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 10:53	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 10:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 10:53	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-23A **Lab ID: 2610478022** Collected: 10/10/18 13:37 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 10:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 10:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 10:53	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 10:53	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 10:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 10:53	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 10:53	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 10:53	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 10:53	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 10:53	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 10:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	1		10/20/18 10:53	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130	1		10/20/18 10:53	17060-07-0	
Toluene-d8 (S)	104	%	70-130	1		10/20/18 10:53	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/18/18 23:30	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	112	%	50-150	1		10/18/18 23:30	17060-07-0	
Toluene-d8 (S)	132	%	50-150	1		10/18/18 23:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-25 **Lab ID: 2610478023** Collected: 10/11/18 09:40 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.10	4		10/22/18 11:27	67-64-1	
Benzene	ND	mg/L	0.0040	4		10/22/18 11:27	71-43-2	
Bromobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	108-86-1	
Bromochloromethane	ND	mg/L	0.0040	4		10/22/18 11:27	74-97-5	
Bromodichloromethane	ND	mg/L	0.0040	4		10/22/18 11:27	75-27-4	
Bromoform	ND	mg/L	0.0040	4		10/22/18 11:27	75-25-2	
Bromomethane	ND	mg/L	0.0080	4		10/22/18 11:27	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.020	4		10/22/18 11:27	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0040	4		10/22/18 11:27	56-23-5	
Chlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	108-90-7	
Chloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	75-00-3	
Chloroform	ND	mg/L	0.0040	4		10/22/18 11:27	67-66-3	
Chloromethane	ND	mg/L	0.0040	4		10/22/18 11:27	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 11:27	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 11:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0080	4		10/22/18 11:27	96-12-8	
Dibromochloromethane	ND	mg/L	0.0040	4		10/22/18 11:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0040	4		10/22/18 11:27	106-93-4	
Dibromomethane	ND	mg/L	0.0040	4		10/22/18 11:27	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0040	4		10/22/18 11:27	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	107-06-2	
1,1-Dichloroethene	**0.33**	mg/L	0.0040	4		10/22/18 11:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 11:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 11:27	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 11:27	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 11:27	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 11:27	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 11:27	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 11:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 11:27	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0040	4		10/22/18 11:27	108-20-3	
Ethylbenzene	ND	mg/L	0.0040	4		10/22/18 11:27	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0040	4		10/22/18 11:27	87-68-3	
2-Hexanone	ND	mg/L	0.020	4		10/22/18 11:27	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0040	4		10/22/18 11:27	99-87-6	
Methylene Chloride	ND	mg/L	0.0080	4		10/22/18 11:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.020	4		10/22/18 11:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0040	4		10/22/18 11:27	1634-04-4	
Naphthalene	ND	mg/L	0.0040	4		10/22/18 11:27	91-20-3	
Styrene	ND	mg/L	0.0040	4		10/22/18 11:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	79-34-5	
Tetrachloroethene	ND	mg/L	0.0040	4		10/22/18 11:27	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-25 **Lab ID: 2610478023** Collected: 10/11/18 09:40 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0040	4		10/22/18 11:27	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 11:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 11:27	79-00-5	
Trichloroethene	ND	mg/L	0.0040	4		10/22/18 11:27	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0040	4		10/22/18 11:27	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0040	4		10/22/18 11:27	96-18-4	
Vinyl acetate	ND	mg/L	0.0080	4		10/22/18 11:27	108-05-4	
Vinyl chloride	ND	mg/L	0.0040	4		10/22/18 11:27	75-01-4	
Xylene (Total)	ND	mg/L	0.0040	4		10/22/18 11:27	1330-20-7	
m&p-Xylene	ND	mg/L	0.0080	4		10/22/18 11:27	179601-23-1	
o-Xylene	ND	mg/L	0.0040	4		10/22/18 11:27	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	4		10/22/18 11:27	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	4		10/22/18 11:27	17060-07-0	
Toluene-d8 (S)	99	%	70-130	4		10/22/18 11:27	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/19/18 15:13	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	50-150	1		10/19/18 15:13	17060-07-0	
Toluene-d8 (S)	121	%	50-150	1		10/19/18 15:13	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-25A **Lab ID: 2610478024** Collected: 10/11/18 09:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.10	4		10/22/18 12:32	67-64-1	
Benzene	ND	mg/L	0.0040	4		10/22/18 12:32	71-43-2	
Bromobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	108-86-1	
Bromochloromethane	ND	mg/L	0.0040	4		10/22/18 12:32	74-97-5	
Bromodichloromethane	ND	mg/L	0.0040	4		10/22/18 12:32	75-27-4	
Bromoform	ND	mg/L	0.0040	4		10/22/18 12:32	75-25-2	
Bromomethane	ND	mg/L	0.0080	4		10/22/18 12:32	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.020	4		10/22/18 12:32	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0040	4		10/22/18 12:32	56-23-5	
Chlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	108-90-7	
Chloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	75-00-3	
Chloroform	ND	mg/L	0.0040	4		10/22/18 12:32	67-66-3	
Chloromethane	ND	mg/L	0.0040	4		10/22/18 12:32	74-87-3	M1
2-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 12:32	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 12:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0080	4		10/22/18 12:32	96-12-8	
Dibromochloromethane	ND	mg/L	0.0040	4		10/22/18 12:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0040	4		10/22/18 12:32	106-93-4	
Dibromomethane	ND	mg/L	0.0040	4		10/22/18 12:32	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0040	4		10/22/18 12:32	75-71-8	M1
1,1-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	107-06-2	
1,1-Dichloroethene	**0.37**	mg/L	0.0040	4		10/22/18 12:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 12:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 12:32	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 12:32	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 12:32	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 12:32	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 12:32	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 12:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 12:32	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0040	4		10/22/18 12:32	108-20-3	
Ethylbenzene	ND	mg/L	0.0040	4		10/22/18 12:32	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0040	4		10/22/18 12:32	87-68-3	
2-Hexanone	ND	mg/L	0.020	4		10/22/18 12:32	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0040	4		10/22/18 12:32	99-87-6	
Methylene Chloride	ND	mg/L	0.0080	4		10/22/18 12:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.020	4		10/22/18 12:32	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0040	4		10/22/18 12:32	1634-04-4	
Naphthalene	ND	mg/L	0.0040	4		10/22/18 12:32	91-20-3	
Styrene	ND	mg/L	0.0040	4		10/22/18 12:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	79-34-5	
Tetrachloroethene	ND	mg/L	0.0040	4		10/22/18 12:32	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-25A **Lab ID: 2610478024** Collected: 10/11/18 09:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0040	4		10/22/18 12:32	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 12:32	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 12:32	79-00-5	
Trichloroethene	ND	mg/L	0.0040	4		10/22/18 12:32	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0040	4		10/22/18 12:32	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0040	4		10/22/18 12:32	96-18-4	
Vinyl acetate	ND	mg/L	0.0080	4		10/22/18 12:32	108-05-4	
Vinyl chloride	ND	mg/L	0.0040	4		10/22/18 12:32	75-01-4	
Xylene (Total)	ND	mg/L	0.0040	4		10/22/18 12:32	1330-20-7	
m&p-Xylene	ND	mg/L	0.0080	4		10/22/18 12:32	179601-23-1	
o-Xylene	ND	mg/L	0.0040	4		10/22/18 12:32	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	98	%	70-130	4		10/22/18 12:32	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130	4		10/22/18 12:32	17060-07-0	
Toluene-d8 (S)	99	%	70-130	4		10/22/18 12:32	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/19/18 15:33	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	50-150	1		10/19/18 15:33	17060-07-0	
Toluene-d8 (S)	120	%	50-150	1		10/19/18 15:33	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-26 **Lab ID: 2610478025** Collected: 10/11/18 10:10 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/20/18 12:37	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/20/18 12:37	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/20/18 12:37	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/20/18 12:37	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/20/18 12:37	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/20/18 12:37	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/20/18 12:37	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/20/18 12:37	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/20/18 12:37	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/20/18 12:37	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/20/18 12:37	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 12:37	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/20/18 12:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/20/18 12:37	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/20/18 12:37	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/20/18 12:37	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/20/18 12:37	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/20/18 12:37	75-71-8	
1,1-Dichloroethane	**0.0019**	mg/L	0.0010	1		10/20/18 12:37	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/20/18 12:37	107-06-2	
1,1-Dichloroethene	**0.025**	mg/L	0.0010	1		10/20/18 12:37	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 12:37	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/20/18 12:37	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 12:37	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 12:37	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/20/18 12:37	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 12:37	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 12:37	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/20/18 12:37	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/20/18 12:37	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/20/18 12:37	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/20/18 12:37	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/20/18 12:37	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/20/18 12:37	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/20/18 12:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/20/18 12:37	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/20/18 12:37	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/20/18 12:37	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/20/18 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 12:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/20/18 12:37	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/20/18 12:37	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: MW-26 **Lab ID: 2610478025** Collected: 10/11/18 10:10 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/20/18 12:37	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/20/18 12:37	120-82-1	
1,1,1-Trichloroethane	**0.0046**	mg/L	0.0010	1		10/20/18 12:37	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/20/18 12:37	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/20/18 12:37	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/20/18 12:37	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/20/18 12:37	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/20/18 12:37	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/20/18 12:37	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/20/18 12:37	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/20/18 12:37	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/20/18 12:37	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	100	%	70-130	1		10/20/18 12:37	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	70-130	1		10/20/18 12:37	17060-07-0	
Toluene-d8 (S)	103	%	70-130	1		10/20/18 12:37	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/19/18 15:52	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	50-150	1		10/19/18 15:52	17060-07-0	
Toluene-d8 (S)	124	%	50-150	1		10/19/18 15:52	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #1 **Lab ID: 2610478026** Collected: 10/10/18 14:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	**0.34**	mg/L	0.025	1		10/18/18 23:07	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/18/18 23:07	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/18/18 23:07	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/18/18 23:07	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/18/18 23:07	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/18/18 23:07	74-83-9	
2-Butanone (MEK)	**0.11**	mg/L	0.0050	1		10/18/18 23:07	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/18/18 23:07	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/18/18 23:07	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/18/18 23:07	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 23:07	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 23:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/18/18 23:07	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/18/18 23:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/18/18 23:07	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/18/18 23:07	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/18/18 23:07	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 23:07	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 23:07	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 23:07	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:07	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:07	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 23:07	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:07	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:07	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 23:07	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/18/18 23:07	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/18/18 23:07	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/18/18 23:07	87-68-3	
2-Hexanone	**0.013**	mg/L	0.0050	1		10/18/18 23:07	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/18/18 23:07	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/18/18 23:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/18/18 23:07	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/18/18 23:07	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/18/18 23:07	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/18/18 23:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/18/18 23:07	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #1 **Lab ID: 2610478026** Collected: 10/10/18 14:00 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/18/18 23:07	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 23:07	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 23:07	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/18/18 23:07	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/18/18 23:07	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/18/18 23:07	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/18/18 23:07	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/18/18 23:07	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/18/18 23:07	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/18/18 23:07	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/18/18 23:07	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	95	%	70-130	1		10/18/18 23:07	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-130	1		10/18/18 23:07	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/18/18 23:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #2 **Lab ID: 2610478027** Collected: 10/11/18 10:55 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	**0.55**	mg/L	0.062	2.5		10/21/18 21:53	67-64-1	
Benzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	71-43-2	
Bromobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	108-86-1	
Bromochloromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	74-97-5	
Bromodichloromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-27-4	
Bromoform	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-25-2	
Bromomethane	ND	mg/L	0.0050	2.5		10/21/18 21:53	74-83-9	
2-Butanone (MEK)	**0.13**	mg/L	0.012	2.5		10/21/18 21:53	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0025	2.5		10/21/18 21:53	56-23-5	
Chlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	108-90-7	
Chloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-00-3	
Chloroform	ND	mg/L	0.0025	2.5		10/21/18 21:53	67-66-3	
Chloromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0025	2.5		10/21/18 21:53	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0025	2.5		10/21/18 21:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0050	2.5		10/21/18 21:53	96-12-8	
Dibromochloromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0025	2.5		10/21/18 21:53	106-93-4	
Dibromomethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0025	2.5		10/21/18 21:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0025	2.5		10/21/18 21:53	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0025	2.5		10/21/18 21:53	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0025	2.5		10/21/18 21:53	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0025	2.5		10/21/18 21:53	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0025	2.5		10/21/18 21:53	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0025	2.5		10/21/18 21:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0025	2.5		10/21/18 21:53	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0025	2.5		10/21/18 21:53	108-20-3	
Ethylbenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0025	2.5		10/21/18 21:53	87-68-3	
2-Hexanone	**0.021**	mg/L	0.012	2.5		10/21/18 21:53	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0025	2.5		10/21/18 21:53	99-87-6	
Methylene Chloride	ND	mg/L	0.0050	2.5		10/21/18 21:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.012	2.5		10/21/18 21:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0025	2.5		10/21/18 21:53	1634-04-4	
Naphthalene	ND	mg/L	0.0025	2.5		10/21/18 21:53	91-20-3	
Styrene	ND	mg/L	0.0025	2.5		10/21/18 21:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	79-34-5	
Tetrachloroethene	ND	mg/L	0.0025	2.5		10/21/18 21:53	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #2 **Lab ID: 2610478027** Collected: 10/11/18 10:55 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0025	2.5		10/21/18 21:53	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0025	2.5		10/21/18 21:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	79-00-5	
Trichloroethene	ND	mg/L	0.0025	2.5		10/21/18 21:53	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0025	2.5		10/21/18 21:53	96-18-4	
Vinyl acetate	ND	mg/L	0.0050	2.5		10/21/18 21:53	108-05-4	
Vinyl chloride	ND	mg/L	0.0025	2.5		10/21/18 21:53	75-01-4	
Xylene (Total)	ND	mg/L	0.0025	2.5		10/21/18 21:53	1330-20-7	
m&p-Xylene	ND	mg/L	0.0050	2.5		10/21/18 21:53	179601-23-1	
o-Xylene	ND	mg/L	0.0025	2.5		10/21/18 21:53	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	101	%	70-130	2.5		10/21/18 21:53	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	2.5		10/21/18 21:53	17060-07-0	
Toluene-d8 (S)	109	%	70-130	2.5		10/21/18 21:53	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #3 **Lab ID: 2610478028** Collected: 10/11/18 11:05 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	**0.39**	mg/L	0.025	1		10/18/18 22:35	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/18/18 22:35	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/18/18 22:35	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/18/18 22:35	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/18/18 22:35	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/18/18 22:35	74-83-9	
2-Butanone (MEK)	**0.14**	mg/L	0.0050	1		10/18/18 22:35	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/18/18 22:35	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/18/18 22:35	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/18/18 22:35	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 22:35	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 22:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/18/18 22:35	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/18/18 22:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/18/18 22:35	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/18/18 22:35	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/18/18 22:35	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:35	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:35	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:35	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:35	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:35	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:35	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/18/18 22:35	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/18/18 22:35	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/18/18 22:35	87-68-3	
2-Hexanone	**0.019**	mg/L	0.0050	1		10/18/18 22:35	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/18/18 22:35	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/18/18 22:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/18/18 22:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/18/18 22:35	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/18/18 22:35	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/18/18 22:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/18/18 22:35	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Equipment Blank #3 **Lab ID: 2610478028** Collected: 10/11/18 11:05 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/18/18 22:35	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 22:35	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/18/18 22:35	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/18/18 22:35	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/18/18 22:35	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/18/18 22:35	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/18/18 22:35	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/18/18 22:35	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/18/18 22:35	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/18/18 22:35	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	96	%	70-130	1		10/18/18 22:35	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		10/18/18 22:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		10/18/18 22:35	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Trip Blank **Lab ID: 2610478029** Collected: 10/11/18 17:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.025	1		10/18/18 22:19	67-64-1	
Benzene	ND	mg/L	0.0010	1		10/18/18 22:19	71-43-2	
Bromobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	108-86-1	
Bromochloromethane	ND	mg/L	0.0010	1		10/18/18 22:19	74-97-5	
Bromodichloromethane	ND	mg/L	0.0010	1		10/18/18 22:19	75-27-4	
Bromoform	ND	mg/L	0.0010	1		10/18/18 22:19	75-25-2	
Bromomethane	ND	mg/L	0.0020	1		10/18/18 22:19	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0050	1		10/18/18 22:19	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0010	1		10/18/18 22:19	56-23-5	
Chlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	108-90-7	
Chloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	75-00-3	
Chloroform	ND	mg/L	0.0010	1		10/18/18 22:19	67-66-3	
Chloromethane	ND	mg/L	0.0010	1		10/18/18 22:19	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 22:19	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0010	1		10/18/18 22:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0020	1		10/18/18 22:19	96-12-8	
Dibromochloromethane	ND	mg/L	0.0010	1		10/18/18 22:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0010	1		10/18/18 22:19	106-93-4	
Dibromomethane	ND	mg/L	0.0010	1		10/18/18 22:19	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0010	1		10/18/18 22:19	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:19	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:19	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0010	1		10/18/18 22:19	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:19	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:19	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0010	1		10/18/18 22:19	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:19	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:19	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0010	1		10/18/18 22:19	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0010	1		10/18/18 22:19	108-20-3	
Ethylbenzene	ND	mg/L	0.0010	1		10/18/18 22:19	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0010	1		10/18/18 22:19	87-68-3	
2-Hexanone	ND	mg/L	0.0050	1		10/18/18 22:19	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0010	1		10/18/18 22:19	99-87-6	
Methylene Chloride	ND	mg/L	0.0020	1		10/18/18 22:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0050	1		10/18/18 22:19	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0010	1		10/18/18 22:19	1634-04-4	
Naphthalene	ND	mg/L	0.0010	1		10/18/18 22:19	91-20-3	
Styrene	ND	mg/L	0.0010	1		10/18/18 22:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	79-34-5	
Tetrachloroethene	ND	mg/L	0.0010	1		10/18/18 22:19	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Trip Blank **Lab ID: 2610478029** Collected: 10/11/18 17:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0010	1		10/18/18 22:19	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0010	1		10/18/18 22:19	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0010	1		10/18/18 22:19	79-00-5	
Trichloroethene	ND	mg/L	0.0010	1		10/18/18 22:19	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	1		10/18/18 22:19	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0010	1		10/18/18 22:19	96-18-4	
Vinyl acetate	ND	mg/L	0.0020	1		10/18/18 22:19	108-05-4	
Vinyl chloride	ND	mg/L	0.0010	1		10/18/18 22:19	75-01-4	
Xylene (Total)	ND	mg/L	0.0010	1		10/18/18 22:19	1330-20-7	
m&p-Xylene	ND	mg/L	0.0020	1		10/18/18 22:19	179601-23-1	
o-Xylene	ND	mg/L	0.0010	1		10/18/18 22:19	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	94	%	70-130	1		10/18/18 22:19	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	70-130	1		10/18/18 22:19	17060-07-0	
Toluene-d8 (S)	100	%	70-130	1		10/18/18 22:19	2037-26-5	
8260 MSV SIM	Analytical Method: EPA 8260B Mod.							
1,4-Dioxane (p-Dioxane)	ND	mg/L	0.0020	1		10/19/18 13:55	123-91-1	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	50-150	1		10/19/18 13:55	17060-07-0	
Toluene-d8 (S)	122	%	50-150	1		10/19/18 13:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Sludge Water **Lab ID: 2610478030** Collected: 10/11/18 17:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Acetone	ND	mg/L	0.10	4		10/22/18 10:55	67-64-1	
Benzene	ND	mg/L	0.0040	4		10/22/18 10:55	71-43-2	
Bromobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	108-86-1	
Bromochloromethane	ND	mg/L	0.0040	4		10/22/18 10:55	74-97-5	
Bromodichloromethane	ND	mg/L	0.0040	4		10/22/18 10:55	75-27-4	
Bromoform	ND	mg/L	0.0040	4		10/22/18 10:55	75-25-2	
Bromomethane	ND	mg/L	0.0080	4		10/22/18 10:55	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.020	4		10/22/18 10:55	78-93-3	
Carbon tetrachloride	ND	mg/L	0.0040	4		10/22/18 10:55	56-23-5	
Chlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	108-90-7	
Chloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	75-00-3	
Chloroform	ND	mg/L	0.0040	4		10/22/18 10:55	67-66-3	
Chloromethane	ND	mg/L	0.0040	4		10/22/18 10:55	74-87-3	
2-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 10:55	95-49-8	
4-Chlorotoluene	ND	mg/L	0.0040	4		10/22/18 10:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.0080	4		10/22/18 10:55	96-12-8	
Dibromochloromethane	ND	mg/L	0.0040	4		10/22/18 10:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/L	0.0040	4		10/22/18 10:55	106-93-4	
Dibromomethane	ND	mg/L	0.0040	4		10/22/18 10:55	74-95-3	
1,2-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	106-46-7	
Dichlorodifluoromethane	ND	mg/L	0.0040	4		10/22/18 10:55	75-71-8	
1,1-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	107-06-2	
1,1-Dichloroethene	**0.30**	mg/L	0.0040	4		10/22/18 10:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 10:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.0040	4		10/22/18 10:55	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 10:55	78-87-5	
1,3-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 10:55	142-28-9	
2,2-Dichloropropane	ND	mg/L	0.0040	4		10/22/18 10:55	594-20-7	
1,1-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 10:55	563-58-6	
cis-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 10:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.0040	4		10/22/18 10:55	10061-02-6	
Diisopropyl ether	ND	mg/L	0.0040	4		10/22/18 10:55	108-20-3	
Ethylbenzene	ND	mg/L	0.0040	4		10/22/18 10:55	100-41-4	
Hexachloro-1,3-butadiene	ND	mg/L	0.0040	4		10/22/18 10:55	87-68-3	
2-Hexanone	ND	mg/L	0.020	4		10/22/18 10:55	591-78-6	
p-Isopropyltoluene	ND	mg/L	0.0040	4		10/22/18 10:55	99-87-6	
Methylene Chloride	ND	mg/L	0.0080	4		10/22/18 10:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.020	4		10/22/18 10:55	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.0040	4		10/22/18 10:55	1634-04-4	
Naphthalene	ND	mg/L	0.0040	4		10/22/18 10:55	91-20-3	
Styrene	ND	mg/L	0.0040	4		10/22/18 10:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	79-34-5	
Tetrachloroethene	**0.0045**	mg/L	0.0040	4		10/22/18 10:55	127-18-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

ANALYTICAL RESULTS

Project: GDOT Jesup
Pace Project No.: 2610478

Sample: Sludge Water **Lab ID: 2610478030** Collected: 10/11/18 17:30 Received: 10/15/18 15:10 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260B							
Toluene	ND	mg/L	0.0040	4		10/22/18 10:55	108-88-3	
1,2,3-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/L	0.0040	4		10/22/18 10:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.0040	4		10/22/18 10:55	79-00-5	
Trichloroethene	ND	mg/L	0.0040	4		10/22/18 10:55	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0040	4		10/22/18 10:55	75-69-4	
1,2,3-Trichloropropane	ND	mg/L	0.0040	4		10/22/18 10:55	96-18-4	
Vinyl acetate	ND	mg/L	0.0080	4		10/22/18 10:55	108-05-4	
Vinyl chloride	ND	mg/L	0.0040	4		10/22/18 10:55	75-01-4	
Xylene (Total)	ND	mg/L	0.0040	4		10/22/18 10:55	1330-20-7	
m&p-Xylene	ND	mg/L	0.0080	4		10/22/18 10:55	179601-23-1	
o-Xylene	ND	mg/L	0.0040	4		10/22/18 10:55	95-47-6	
Surrogates								
4-Bromofluorobenzene (S)	93	%	70-130	4		10/22/18 10:55	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	70-130	4		10/22/18 10:55	17060-07-0	
Toluene-d8 (S)	100	%	70-130	4		10/22/18 10:55	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 15491
QC Batch Method: EPA 3005A
Analysis Method: EPA 6020B
Analysis Description: 6020B MET
Associated Lab Samples: 2610478013

METHOD BLANK: 69241 Matrix: Water
Associated Lab Samples: 2610478013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	ND	0.0010	10/18/18 15:57	

LABORATORY CONTROL SAMPLE: 69242

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.1	0.097	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 69243 69244

Parameter	Units	2610406028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	ND	.1	.1	0.094	0.091	94	91	75-125	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 436918 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 2610478001, 2610478002, 2610478003, 2610478004, 2610478005, 2610478008, 2610478009, 2610478010, 2610478011, 2610478012, 2610478026, 2610478028, 2610478029

METHOD BLANK: 2403434 Matrix: Water
Associated Lab Samples: 2610478001, 2610478002, 2610478003, 2610478004, 2610478005, 2610478008, 2610478009, 2610478010, 2610478011, 2610478012, 2610478026, 2610478028, 2610478029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,1,1-Trichloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,1,2-Trichloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,1-Dichloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,1-Dichloroethene	mg/L	ND	0.0010	10/18/18 21:46	
1,1-Dichloropropene	mg/L	ND	0.0010	10/18/18 21:46	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
1,2,3-Trichloropropane	mg/L	ND	0.0010	10/18/18 21:46	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0020	10/18/18 21:46	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	10/18/18 21:46	
1,2-Dichlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
1,2-Dichloroethane	mg/L	ND	0.0010	10/18/18 21:46	
1,2-Dichloropropane	mg/L	ND	0.0010	10/18/18 21:46	
1,3-Dichlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
1,3-Dichloropropane	mg/L	ND	0.0010	10/18/18 21:46	
1,4-Dichlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
2,2-Dichloropropane	mg/L	ND	0.0010	10/18/18 21:46	
2-Butanone (MEK)	mg/L	ND	0.0050	10/18/18 21:46	
2-Chlorotoluene	mg/L	ND	0.0010	10/18/18 21:46	
2-Hexanone	mg/L	ND	0.0050	10/18/18 21:46	
4-Chlorotoluene	mg/L	ND	0.0010	10/18/18 21:46	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0050	10/18/18 21:46	
Acetone	mg/L	ND	0.025	10/18/18 21:46	
Benzene	mg/L	ND	0.0010	10/18/18 21:46	
Bromobenzene	mg/L	ND	0.0010	10/18/18 21:46	
Bromochloromethane	mg/L	ND	0.0010	10/18/18 21:46	
Bromodichloromethane	mg/L	ND	0.0010	10/18/18 21:46	
Bromoform	mg/L	ND	0.0010	10/18/18 21:46	
Bromomethane	mg/L	ND	0.0020	10/18/18 21:46	
Carbon tetrachloride	mg/L	ND	0.0010	10/18/18 21:46	
Chlorobenzene	mg/L	ND	0.0010	10/18/18 21:46	
Chloroethane	mg/L	ND	0.0010	10/18/18 21:46	
Chloroform	mg/L	ND	0.0010	10/18/18 21:46	
Chloromethane	mg/L	ND	0.0010	10/18/18 21:46	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	10/18/18 21:46	
cis-1,3-Dichloropropene	mg/L	ND	0.0010	10/18/18 21:46	
Dibromochloromethane	mg/L	ND	0.0010	10/18/18 21:46	
Dibromomethane	mg/L	ND	0.0010	10/18/18 21:46	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

METHOD BLANK: 2403434 Matrix: Water

Associated Lab Samples: 2610478001, 2610478002, 2610478003, 2610478004, 2610478005, 2610478008, 2610478009, 2610478010, 2610478011, 2610478012, 2610478026, 2610478028, 2610478029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/L	ND	0.0010	10/18/18 21:46	
Diisopropyl ether	mg/L	ND	0.0010	10/18/18 21:46	
Ethylbenzene	mg/L	ND	0.0010	10/18/18 21:46	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	10/18/18 21:46	
m&p-Xylene	mg/L	ND	0.0020	10/18/18 21:46	
Methyl-tert-butyl ether	mg/L	ND	0.0010	10/18/18 21:46	
Methylene Chloride	mg/L	ND	0.0020	10/18/18 21:46	
Naphthalene	mg/L	ND	0.0010	10/18/18 21:46	
o-Xylene	mg/L	ND	0.0010	10/18/18 21:46	
p-Isopropyltoluene	mg/L	ND	0.0010	10/18/18 21:46	
Styrene	mg/L	ND	0.0010	10/18/18 21:46	
Tetrachloroethene	mg/L	ND	0.0010	10/18/18 21:46	
Toluene	mg/L	ND	0.0010	10/18/18 21:46	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	10/18/18 21:46	
trans-1,3-Dichloropropene	mg/L	ND	0.0010	10/18/18 21:46	
Trichloroethene	mg/L	ND	0.0010	10/18/18 21:46	
Trichlorofluoromethane	mg/L	ND	0.0010	10/18/18 21:46	
Vinyl acetate	mg/L	ND	0.0020	10/18/18 21:46	
Vinyl chloride	mg/L	ND	0.0010	10/18/18 21:46	
Xylene (Total)	mg/L	ND	0.0010	10/18/18 21:46	
1,2-Dichloroethane-d4 (S)	%	91	70-130	10/18/18 21:46	
4-Bromofluorobenzene (S)	%	95	70-130	10/18/18 21:46	
Toluene-d8 (S)	%	99	70-130	10/18/18 21:46	

LABORATORY CONTROL SAMPLE: 2403435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.048	95	80-125	
1,1,1-Trichloroethane	mg/L	.05	0.045	89	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.046	93	79-124	
1,1,2-Trichloroethane	mg/L	.05	0.047	94	85-125	
1,1-Dichloroethane	mg/L	.05	0.043	87	73-126	
1,1-Dichloroethene	mg/L	.05	0.048	96	66-135	
1,1-Dichloropropene	mg/L	.05	0.048	96	74-135	
1,2,3-Trichlorobenzene	mg/L	.05	0.048	96	73-135	
1,2,3-Trichloropropane	mg/L	.05	0.048	95	75-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.049	97	75-134	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.047	94	71-133	
1,2-Dibromoethane (EDB)	mg/L	.05	0.048	96	83-124	
1,2-Dichlorobenzene	mg/L	.05	0.049	98	80-133	
1,2-Dichloroethane	mg/L	.05	0.045	91	67-128	
1,2-Dichloropropane	mg/L	.05	0.047	95	75-132	
1,3-Dichlorobenzene	mg/L	.05	0.048	96	77-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

LABORATORY CONTROL SAMPLE: 2403435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	mg/L	.05	0.048	97	76-131	
1,4-Dichlorobenzene	mg/L	.05	0.048	96	78-130	
2,2-Dichloropropane	mg/L	.05	0.044	87	40-160	
2-Butanone (MEK)	mg/L	.1	0.083	83	61-144	
2-Chlorotoluene	mg/L	.05	0.046	92	74-132	
2-Hexanone	mg/L	.1	0.086	86	68-143	
4-Chlorotoluene	mg/L	.05	0.046	92	76-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.1	0.085	85	72-135	
Acetone	mg/L	.1	0.081	81	48-146	
Benzene	mg/L	.05	0.048	97	80-125	
Bromobenzene	mg/L	.05	0.048	97	75-125	
Bromochloromethane	mg/L	.05	0.051	102	71-125	
Bromodichloromethane	mg/L	.05	0.046	93	78-124	
Bromoform	mg/L	.05	0.047	94	71-128	
Bromomethane	mg/L	.05	0.041	81	40-160	
Carbon tetrachloride	mg/L	.05	0.047	94	69-131	
Chlorobenzene	mg/L	.05	0.049	99	81-122	
Chloroethane	mg/L	.05	0.046	93	39-148	
Chloroform	mg/L	.05	0.049	98	73-127	
Chloromethane	mg/L	.05	0.039	79	44-146	
cis-1,2-Dichloroethene	mg/L	.05	0.045	91	74-124	
cis-1,3-Dichloropropene	mg/L	.05	0.048	95	72-132	
Dibromochloromethane	mg/L	.05	0.050	99	78-125	
Dibromomethane	mg/L	.05	0.050	101	82-120	
Dichlorodifluoromethane	mg/L	.05	0.045	89	34-157	
Diisopropyl ether	mg/L	.05	0.043	87	69-135	
Ethylbenzene	mg/L	.05	0.047	94	79-121	
Hexachloro-1,3-butadiene	mg/L	.05	0.047	93	72-131	
m&p-Xylene	mg/L	.1	0.096	96	81-124	
Methyl-tert-butyl ether	mg/L	.05	0.046	91	74-131	
Methylene Chloride	mg/L	.05	0.045	89	64-133	
Naphthalene	mg/L	.05	0.047	95	73-133	
o-Xylene	mg/L	.05	0.049	99	79-131	
p-Isopropyltoluene	mg/L	.05	0.048	96	80-131	
Styrene	mg/L	.05	0.048	97	84-126	
Tetrachloroethene	mg/L	.05	0.047	94	78-122	
Toluene	mg/L	.05	0.046	93	80-121	
trans-1,2-Dichloroethene	mg/L	.05	0.047	95	71-127	
trans-1,3-Dichloropropene	mg/L	.05	0.046	91	69-141	
Trichloroethene	mg/L	.05	0.049	98	78-122	
Trichlorofluoromethane	mg/L	.05	0.046	92	53-137	
Vinyl acetate	mg/L	.1	0.099	99	40-160	
Vinyl chloride	mg/L	.05	0.050	101	58-137	
Xylene (Total)	mg/L	.15	0.15	97	81-126	
1,2-Dichloroethane-d4 (S)	%			95	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			97	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2403538

Parameter	Units	2610478001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	.02	0.019	95	70-130	
1,1,1-Trichloroethane	mg/L	ND	.02	0.025	123	70-130	
1,1,2,2-Tetrachloroethane	mg/L	ND	.02	0.020	101	70-130	
1,1,2-Trichloroethane	mg/L	ND	.02	0.023	116	70-130	
1,1-Dichloroethane	mg/L	ND	.02	0.023	115	70-130	
1,1-Dichloroethene	mg/L	0.0026	.02	0.027	121	70-166	
1,1-Dichloropropene	mg/L	ND	.02	0.022	111	70-130	
1,2,3-Trichlorobenzene	mg/L	ND	.02	0.023	114	70-130	
1,2,3-Trichloropropane	mg/L	ND	.02	0.023	115	70-130	
1,2,4-Trichlorobenzene	mg/L	ND	.02	0.023	116	70-130	
1,2-Dibromo-3-chloropropane	mg/L	ND	.02	0.020	98	70-130	
1,2-Dibromoethane (EDB)	mg/L	ND	.02	0.020	102	70-130	
1,2-Dichlorobenzene	mg/L	ND	.02	0.022	112	70-130	
1,2-Dichloroethane	mg/L	ND	.02	0.021	107	70-130	
1,2-Dichloropropane	mg/L	ND	.02	0.024	122	70-130	
1,3-Dichlorobenzene	mg/L	ND	.02	0.023	115	70-130	
1,3-Dichloropropane	mg/L	ND	.02	0.022	108	70-130	
1,4-Dichlorobenzene	mg/L	ND	.02	0.022	111	70-130	
2,2-Dichloropropane	mg/L	ND	.02	0.025	125	70-130	
2-Butanone (MEK)	mg/L	ND	.04	0.046	114	70-130	
2-Chlorotoluene	mg/L	ND	.02	0.023	116	70-130	
2-Hexanone	mg/L	ND	.04	0.042	106	70-130	
4-Chlorotoluene	mg/L	ND	.02	0.023	116	70-130	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	.04	0.048	120	70-130	
Acetone	mg/L	ND	.04	0.049	123	70-130	
Benzene	mg/L	ND	.02	0.023	117	70-148	
Bromobenzene	mg/L	ND	.02	0.023	113	70-130	
Bromochloromethane	mg/L	ND	.02	0.024	118	70-130	
Bromodichloromethane	mg/L	ND	.02	0.022	112	70-130	
Bromoform	mg/L	ND	.02	0.016	82	70-130	
Bromomethane	mg/L	ND	.02	0.018	88	70-130	
Carbon tetrachloride	mg/L	ND	.02	0.024	118	70-130	
Chlorobenzene	mg/L	ND	.02	0.023	116	70-146	
Chloroethane	mg/L	ND	.02	0.021	104	70-130	
Chloroform	mg/L	ND	.02	0.023	113	70-130	
Chloromethane	mg/L	ND	.02	0.016	78	70-130	
cis-1,2-Dichloroethene	mg/L	ND	.02	0.023	116	70-130	
cis-1,3-Dichloropropene	mg/L	ND	.02	0.021	107	70-130	
Dibromochloromethane	mg/L	ND	.02	0.020	99	70-130	
Dibromomethane	mg/L	ND	.02	0.022	111	70-130	
Dichlorodifluoromethane	mg/L	ND	.02	0.0080	40	70-130	M1
Diisopropyl ether	mg/L	ND	.02	0.020	100	70-130	
Ethylbenzene	mg/L	ND	.02	0.023	115	70-130	
Hexachloro-1,3-butadiene	mg/L	ND	.02	0.025	126	70-130	
m&p-Xylene	mg/L	ND	.04	0.047	117	70-130	
Methyl-tert-butyl ether	mg/L	ND	.02	0.021	104	70-130	
Methylene Chloride	mg/L	ND	.02	0.020	101	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2403538

Parameter	Units	2610478001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/L	ND	.02	0.022	109	70-130	
o-Xylene	mg/L	ND	.02	0.024	118	70-130	
p-Isopropyltoluene	mg/L	ND	.02	0.024	119	70-130	
Styrene	mg/L	ND	.02	0.023	113	70-130	
Tetrachloroethene	mg/L	ND	.02	0.023	113	70-130	
Toluene	mg/L	ND	.02	0.022	112	70-155	
trans-1,2-Dichloroethene	mg/L	ND	.02	0.023	114	70-130	
trans-1,3-Dichloropropene	mg/L	ND	.02	0.021	104	70-130	
Trichloroethene	mg/L	ND	.02	0.024	122	69-151	
Trichlorofluoromethane	mg/L	ND	.02	0.021	106	70-130	
Vinyl acetate	mg/L	ND	.04	0.044	109	70-130	
Vinyl chloride	mg/L	ND	.02	0.018	90	70-130	
Xylene (Total)	mg/L	ND	.06	0.070	117	70-130	
1,2-Dichloroethane-d4 (S)	%				101	70-130	
4-Bromofluorobenzene (S)	%				102	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 2403537

Parameter	Units	2610478002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,1-Trichloroethane	mg/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,2-Trichloroethane	mg/L	ND	ND		30	
1,1-Dichloroethane	mg/L	0.0089	0.0056	44	30	D6
1,1-Dichloroethene	mg/L	0.0014	ND		30	
1,1-Dichloropropene	mg/L	ND	ND		30	
1,2,3-Trichlorobenzene	mg/L	ND	ND		30	
1,2,3-Trichloropropane	mg/L	ND	ND		30	
1,2,4-Trichlorobenzene	mg/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/L	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/L	ND	ND		30	
1,2-Dichlorobenzene	mg/L	ND	ND		30	
1,2-Dichloroethane	mg/L	ND	ND		30	
1,2-Dichloropropane	mg/L	ND	ND		30	
1,3-Dichlorobenzene	mg/L	ND	ND		30	
1,3-Dichloropropane	mg/L	ND	ND		30	
1,4-Dichlorobenzene	mg/L	ND	ND		30	
2,2-Dichloropropane	mg/L	ND	ND		30	
2-Butanone (MEK)	mg/L	ND	ND		30	
2-Chlorotoluene	mg/L	ND	ND		30	
2-Hexanone	mg/L	ND	ND		30	
4-Chlorotoluene	mg/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	ND		30	
Acetone	mg/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

SAMPLE DUPLICATE: 2403537

Parameter	Units	2610478002 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	mg/L	ND	ND		30	
Bromobenzene	mg/L	ND	ND		30	
Bromochloromethane	mg/L	ND	ND		30	
Bromodichloromethane	mg/L	ND	ND		30	
Bromoform	mg/L	ND	ND		30	
Bromomethane	mg/L	ND	ND		30	
Carbon tetrachloride	mg/L	ND	ND		30	
Chlorobenzene	mg/L	ND	ND		30	
Chloroethane	mg/L	ND	ND		30	
Chloroform	mg/L	ND	ND		30	
Chloromethane	mg/L	ND	ND		30	
cis-1,2-Dichloroethene	mg/L	ND	ND		30	
cis-1,3-Dichloropropene	mg/L	ND	ND		30	
Dibromochloromethane	mg/L	ND	ND		30	
Dibromomethane	mg/L	ND	ND		30	
Dichlorodifluoromethane	mg/L	ND	ND		30	
Diisopropyl ether	mg/L	ND	ND		30	
Ethylbenzene	mg/L	ND	ND		30	
Hexachloro-1,3-butadiene	mg/L	ND	ND		30	
m&p-Xylene	mg/L	ND	ND		30	
Methyl-tert-butyl ether	mg/L	0.0014	0.0013	8	30	
Methylene Chloride	mg/L	ND	.0011J		30	
Naphthalene	mg/L	ND	ND		30	
o-Xylene	mg/L	ND	ND		30	
p-Isopropyltoluene	mg/L	ND	ND		30	
Styrene	mg/L	ND	ND		30	
Tetrachloroethene	mg/L	ND	ND		30	
Toluene	mg/L	ND	.00034J		30	
trans-1,2-Dichloroethene	mg/L	ND	ND		30	
trans-1,3-Dichloropropene	mg/L	ND	ND		30	
Trichloroethene	mg/L	ND	ND		30	
Trichlorofluoromethane	mg/L	ND	ND		30	
Vinyl acetate	mg/L	ND	ND		30	
Vinyl chloride	mg/L	ND	ND		30	
Xylene (Total)	mg/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	91	91	0		
4-Bromofluorobenzene (S)	%	94	93	1		
Toluene-d8 (S)	%	101	104	3		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 437039 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 2610478014, 2610478016, 2610478017, 2610478018, 2610478019, 2610478020, 2610478021, 2610478022, 2610478025

METHOD BLANK: 2404155 Matrix: Water
Associated Lab Samples: 2610478014, 2610478016, 2610478017, 2610478018, 2610478019, 2610478020, 2610478021, 2610478022, 2610478025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,1,1-Trichloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,1,2-Trichloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,1-Dichloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,1-Dichloroethene	mg/L	ND	0.0010	10/20/18 06:16	
1,1-Dichloropropene	mg/L	ND	0.0010	10/20/18 06:16	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
1,2,3-Trichloropropane	mg/L	ND	0.0010	10/20/18 06:16	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0020	10/20/18 06:16	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	10/20/18 06:16	
1,2-Dichlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
1,2-Dichloroethane	mg/L	ND	0.0010	10/20/18 06:16	
1,2-Dichloropropane	mg/L	ND	0.0010	10/20/18 06:16	
1,3-Dichlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
1,3-Dichloropropane	mg/L	ND	0.0010	10/20/18 06:16	
1,4-Dichlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
2,2-Dichloropropane	mg/L	ND	0.0010	10/20/18 06:16	
2-Butanone (MEK)	mg/L	ND	0.0050	10/20/18 06:16	
2-Chlorotoluene	mg/L	ND	0.0010	10/20/18 06:16	
2-Hexanone	mg/L	ND	0.0050	10/20/18 06:16	
4-Chlorotoluene	mg/L	ND	0.0010	10/20/18 06:16	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0050	10/20/18 06:16	
Acetone	mg/L	ND	0.025	10/20/18 06:16	
Benzene	mg/L	ND	0.0010	10/20/18 06:16	
Bromobenzene	mg/L	ND	0.0010	10/20/18 06:16	
Bromochloromethane	mg/L	ND	0.0010	10/20/18 06:16	
Bromodichloromethane	mg/L	ND	0.0010	10/20/18 06:16	
Bromoform	mg/L	ND	0.0010	10/20/18 06:16	
Bromomethane	mg/L	ND	0.0020	10/20/18 06:16	
Carbon tetrachloride	mg/L	ND	0.0010	10/20/18 06:16	
Chlorobenzene	mg/L	ND	0.0010	10/20/18 06:16	
Chloroethane	mg/L	ND	0.0010	10/20/18 06:16	
Chloroform	mg/L	ND	0.0010	10/20/18 06:16	
Chloromethane	mg/L	ND	0.0010	10/20/18 06:16	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	10/20/18 06:16	
cis-1,3-Dichloropropene	mg/L	ND	0.0010	10/20/18 06:16	
Dibromochloromethane	mg/L	ND	0.0010	10/20/18 06:16	
Dibromomethane	mg/L	ND	0.0010	10/20/18 06:16	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

METHOD BLANK: 2404155 Matrix: Water

Associated Lab Samples: 2610478014, 2610478016, 2610478017, 2610478018, 2610478019, 2610478020, 2610478021, 2610478022, 2610478025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	mg/L	ND	0.0010	10/20/18 06:16	
Diisopropyl ether	mg/L	ND	0.0010	10/20/18 06:16	
Ethylbenzene	mg/L	ND	0.0010	10/20/18 06:16	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	10/20/18 06:16	
m&p-Xylene	mg/L	ND	0.0020	10/20/18 06:16	
Methyl-tert-butyl ether	mg/L	ND	0.0010	10/20/18 06:16	
Methylene Chloride	mg/L	ND	0.0020	10/20/18 06:16	
Naphthalene	mg/L	ND	0.0010	10/20/18 06:16	
o-Xylene	mg/L	ND	0.0010	10/20/18 06:16	
p-Isopropyltoluene	mg/L	ND	0.0010	10/20/18 06:16	
Styrene	mg/L	ND	0.0010	10/20/18 06:16	
Tetrachloroethene	mg/L	ND	0.0010	10/20/18 06:16	
Toluene	mg/L	0.0011	0.0010	10/20/18 06:16	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	10/20/18 06:16	
trans-1,3-Dichloropropene	mg/L	ND	0.0010	10/20/18 06:16	
Trichloroethene	mg/L	ND	0.0010	10/20/18 06:16	
Trichlorofluoromethane	mg/L	ND	0.0010	10/20/18 06:16	
Vinyl acetate	mg/L	ND	0.0020	10/20/18 06:16	
Vinyl chloride	mg/L	ND	0.0010	10/20/18 06:16	
Xylene (Total)	mg/L	ND	0.0010	10/20/18 06:16	
1,2-Dichloroethane-d4 (S)	%	106	70-130	10/20/18 06:16	
4-Bromofluorobenzene (S)	%	98	70-130	10/20/18 06:16	
Toluene-d8 (S)	%	103	70-130	10/20/18 06:16	

LABORATORY CONTROL SAMPLE: 2404156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.048	96	80-125	
1,1,1-Trichloroethane	mg/L	.05	0.050	101	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.056	112	79-124	
1,1,2-Trichloroethane	mg/L	.05	0.052	104	85-125	
1,1-Dichloroethane	mg/L	.05	0.052	104	73-126	
1,1-Dichloroethene	mg/L	.05	0.053	106	66-135	
1,1-Dichloropropene	mg/L	.05	0.056	111	74-135	
1,2,3-Trichlorobenzene	mg/L	.05	0.052	105	73-135	
1,2,3-Trichloropropane	mg/L	.05	0.053	107	75-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.053	105	75-134	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.051	103	71-133	
1,2-Dibromoethane (EDB)	mg/L	.05	0.050	100	83-124	
1,2-Dichlorobenzene	mg/L	.05	0.053	106	80-133	
1,2-Dichloroethane	mg/L	.05	0.052	103	67-128	
1,2-Dichloropropane	mg/L	.05	0.058	115	75-132	
1,3-Dichlorobenzene	mg/L	.05	0.051	103	77-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

LABORATORY CONTROL SAMPLE: 2404156

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichloropropane	mg/L	.05	0.056	113	76-131	
1,4-Dichlorobenzene	mg/L	.05	0.051	102	78-130	
2,2-Dichloropropane	mg/L	.05	0.050	99	40-160	
2-Butanone (MEK)	mg/L	.1	0.14	139	61-144	
2-Chlorotoluene	mg/L	.05	0.053	105	74-132	
2-Hexanone	mg/L	.1	0.14	141	68-143	
4-Chlorotoluene	mg/L	.05	0.054	108	76-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.1	0.13	126	72-135	
Acetone	mg/L	.1	0.14	138	48-146	
Benzene	mg/L	.05	0.058	115	80-125	
Bromobenzene	mg/L	.05	0.052	104	75-125	
Bromochloromethane	mg/L	.05	0.056	112	71-125	
Bromodichloromethane	mg/L	.05	0.055	110	78-124	
Bromoform	mg/L	.05	0.046	92	71-128	
Bromomethane	mg/L	.05	0.054	108	40-160	
Carbon tetrachloride	mg/L	.05	0.054	109	69-131	
Chlorobenzene	mg/L	.05	0.052	103	81-122	
Chloroethane	mg/L	.05	0.058	116	39-148	
Chloroform	mg/L	.05	0.052	104	73-127	
Chloromethane	mg/L	.05	0.043	86	44-146	
cis-1,2-Dichloroethene	mg/L	.05	0.054	107	74-124	
cis-1,3-Dichloropropene	mg/L	.05	0.057	113	72-132	
Dibromochloromethane	mg/L	.05	0.047	94	78-125	
Dibromomethane	mg/L	.05	0.055	109	82-120	
Dichlorodifluoromethane	mg/L	.05	0.046	93	34-157	
Diisopropyl ether	mg/L	.05	0.058	117	69-135	
Ethylbenzene	mg/L	.05	0.053	106	79-121	
Hexachloro-1,3-butadiene	mg/L	.05	0.050	100	72-131	
m&p-Xylene	mg/L	.1	0.11	109	81-124	
Methyl-tert-butyl ether	mg/L	.05	0.053	106	74-131	
Methylene Chloride	mg/L	.05	0.055	109	64-133	
Naphthalene	mg/L	.05	0.057	113	73-133	
o-Xylene	mg/L	.05	0.055	109	79-131	
p-Isopropyltoluene	mg/L	.05	0.055	110	80-131	
Styrene	mg/L	.05	0.055	109	84-126	
Tetrachloroethene	mg/L	.05	0.052	105	78-122	
Toluene	mg/L	.05	0.054	109	80-121	
trans-1,2-Dichloroethene	mg/L	.05	0.053	105	71-127	
trans-1,3-Dichloropropene	mg/L	.05	0.050	100	69-141	
Trichloroethene	mg/L	.05	0.054	108	78-122	
Trichlorofluoromethane	mg/L	.05	0.040	80	53-137	
Vinyl acetate	mg/L	.1	0.11	109	40-160	
Vinyl chloride	mg/L	.05	0.057	114	58-137	
Xylene (Total)	mg/L	.15	0.16	109	81-126	
1,2-Dichloroethane-d4 (S)	%			104	70-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Toluene-d8 (S)	%			100	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2406008

Parameter	Units	2610478016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	.02	0.021	104	70-130	
1,1,1-Trichloroethane	mg/L	0.0047	.02	0.026	105	70-130	
1,1,2,2-Tetrachloroethane	mg/L	ND	.02	0.021	107	70-130	
1,1,2-Trichloroethane	mg/L	ND	.02	0.022	111	70-130	
1,1-Dichloroethane	mg/L	0.0019	.02	0.024	110	70-130	
1,1-Dichloroethene	mg/L	0.024	.02	0.043	97	70-166	
1,1-Dichloropropene	mg/L	ND	.02	0.023	117	70-130	
1,2,3-Trichlorobenzene	mg/L	ND	.02	0.019	94	70-130	
1,2,3-Trichloropropane	mg/L	ND	.02	0.020	102	70-130	
1,2,4-Trichlorobenzene	mg/L	ND	.02	0.019	95	70-130	
1,2-Dibromo-3-chloropropane	mg/L	ND	.02	0.020	101	70-130	
1,2-Dibromoethane (EDB)	mg/L	ND	.02	0.021	103	70-130	
1,2-Dichlorobenzene	mg/L	ND	.02	0.020	99	70-130	
1,2-Dichloroethane	mg/L	ND	.02	0.023	116	70-130	
1,2-Dichloropropane	mg/L	ND	.02	0.024	119	70-130	
1,3-Dichlorobenzene	mg/L	ND	.02	0.019	97	70-130	
1,3-Dichloropropane	mg/L	ND	.02	0.022	109	70-130	
1,4-Dichlorobenzene	mg/L	ND	.02	0.019	96	70-130	
2,2-Dichloropropane	mg/L	ND	.02	0.024	120	70-130	
2-Butanone (MEK)	mg/L	ND	.04	0.054	136	70-130	M1
2-Chlorotoluene	mg/L	ND	.02	0.022	108	70-130	
2-Hexanone	mg/L	ND	.04	0.051	128	70-130	M1
4-Chlorotoluene	mg/L	ND	.02	0.022	109	70-130	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	.04	0.049	122	70-130	M1
Acetone	mg/L	ND	.04	0.061	119	70-130	M1
Benzene	mg/L	ND	.02	0.024	119	70-148	
Bromobenzene	mg/L	ND	.02	0.021	103	70-130	
Bromochloromethane	mg/L	ND	.02	0.023	117	70-130	
Bromodichloromethane	mg/L	ND	.02	0.023	116	70-130	
Bromoform	mg/L	ND	.02	0.020	100	70-130	
Bromomethane	mg/L	ND	.02	0.022	110	70-130	
Carbon tetrachloride	mg/L	ND	.02	0.024	121	70-130	
Chlorobenzene	mg/L	ND	.02	0.021	106	70-146	
Chloroethane	mg/L	ND	.02	0.022	111	70-130	
Chloroform	mg/L	ND	.02	0.022	112	70-130	
Chloromethane	mg/L	ND	.02	0.023	115	70-130	
cis-1,2-Dichloroethene	mg/L	ND	.02	0.023	117	70-130	
cis-1,3-Dichloropropene	mg/L	ND	.02	0.022	110	70-130	
Dibromochloromethane	mg/L	ND	.02	0.020	100	70-130	
Dibromomethane	mg/L	ND	.02	0.023	113	70-130	
Dichlorodifluoromethane	mg/L	ND	.02	0.023	117	70-130	
Diisopropyl ether	mg/L	ND	.02	0.023	116	70-130	M1
Ethylbenzene	mg/L	ND	.02	0.022	111	70-130	
Hexachloro-1,3-butadiene	mg/L	ND	.02	0.022	111	70-130	
m&p-Xylene	mg/L	ND	.04	0.045	112	70-130	
Methyl-tert-butyl ether	mg/L	ND	.02	0.023	110	70-130	M1
Methylene Chloride	mg/L	ND	.02	0.022	112	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2406008

Parameter	Units	2610478016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/L	ND	.02	0.019	96	70-130	
o-Xylene	mg/L	ND	.02	0.022	112	70-130	
p-Isopropyltoluene	mg/L	ND	.02	0.022	109	70-130	
Styrene	mg/L	ND	.02	0.021	106	70-130	
Tetrachloroethene	mg/L	ND	.02	0.021	104	70-130	
Toluene	mg/L	ND	.02	0.022	107	70-155	
trans-1,2-Dichloroethene	mg/L	ND	.02	0.023	113	70-130	
trans-1,3-Dichloropropene	mg/L	ND	.02	0.022	108	70-130	
Trichloroethene	mg/L	ND	.02	0.024	117	69-151	
Trichlorofluoromethane	mg/L	ND	.02	0.021	107	70-130	
Vinyl acetate	mg/L	ND	.04	0.046	116	70-130	
Vinyl chloride	mg/L	ND	.02	0.026	132	70-130	
Xylene (Total)	mg/L	ND	.06	0.067	112	70-130	
1,2-Dichloroethane-d4 (S)	%				98	70-130	
4-Bromofluorobenzene (S)	%				101	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 2404159

Parameter	Units	2610478025 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,1-Trichloroethane	mg/L	0.0046	0.0043	7	30	
1,1,2,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,2-Trichloroethane	mg/L	ND	ND		30	
1,1-Dichloroethane	mg/L	0.0019	0.0018	5	30	
1,1-Dichloroethene	mg/L	0.025	0.023	9	30	
1,1-Dichloropropene	mg/L	ND	ND		30	
1,2,3-Trichlorobenzene	mg/L	ND	ND		30	
1,2,3-Trichloropropane	mg/L	ND	ND		30	
1,2,4-Trichlorobenzene	mg/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/L	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/L	ND	ND		30	
1,2-Dichlorobenzene	mg/L	ND	ND		30	
1,2-Dichloroethane	mg/L	ND	ND		30	
1,2-Dichloropropane	mg/L	ND	ND		30	
1,3-Dichlorobenzene	mg/L	ND	ND		30	
1,3-Dichloropropane	mg/L	ND	ND		30	
1,4-Dichlorobenzene	mg/L	ND	ND		30	
2,2-Dichloropropane	mg/L	ND	ND		30	
2-Butanone (MEK)	mg/L	ND	ND		30	
2-Chlorotoluene	mg/L	ND	ND		30	
2-Hexanone	mg/L	ND	ND		30	
4-Chlorotoluene	mg/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	ND		30	
Acetone	mg/L	ND	.017J		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

SAMPLE DUPLICATE: 2404159

Parameter	Units	2610478025 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	mg/L	ND	ND		30	
Bromobenzene	mg/L	ND	ND		30	
Bromochloromethane	mg/L	ND	ND		30	
Bromodichloromethane	mg/L	ND	ND		30	
Bromoform	mg/L	ND	ND		30	
Bromomethane	mg/L	ND	ND		30	
Carbon tetrachloride	mg/L	ND	ND		30	
Chlorobenzene	mg/L	ND	ND		30	
Chloroethane	mg/L	ND	ND		30	
Chloroform	mg/L	ND	ND		30	
Chloromethane	mg/L	ND	ND		30	
cis-1,2-Dichloroethene	mg/L	ND	ND		30	
cis-1,3-Dichloropropene	mg/L	ND	ND		30	
Dibromochloromethane	mg/L	ND	ND		30	
Dibromomethane	mg/L	ND	ND		30	
Dichlorodifluoromethane	mg/L	ND	ND		30	
Diisopropyl ether	mg/L	ND	ND		30	
Ethylbenzene	mg/L	ND	ND		30	
Hexachloro-1,3-butadiene	mg/L	ND	ND		30	
m&p-Xylene	mg/L	ND	ND		30	
Methyl-tert-butyl ether	mg/L	ND	.00044J		30	
Methylene Chloride	mg/L	ND	ND		30	
Naphthalene	mg/L	ND	ND		30	
o-Xylene	mg/L	ND	ND		30	
p-Isopropyltoluene	mg/L	ND	ND		30	
Styrene	mg/L	ND	ND		30	
Tetrachloroethene	mg/L	ND	ND		30	
Toluene	mg/L	ND	ND		30	
trans-1,2-Dichloroethene	mg/L	ND	ND		30	
trans-1,3-Dichloropropene	mg/L	ND	ND		30	
Trichloroethene	mg/L	ND	.00084J		30	
Trichlorofluoromethane	mg/L	ND	ND		30	
Vinyl acetate	mg/L	ND	ND		30	
Vinyl chloride	mg/L	ND	ND		30	
Xylene (Total)	mg/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	110	111	1		
4-Bromofluorobenzene (S)	%	100	99	1		
Toluene-d8 (S)	%	103	102	1		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 437065 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 2610478007

METHOD BLANK: 2404360 Matrix: Water
Associated Lab Samples: 2610478007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,1,1-Trichloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,1,2-Trichloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,1-Dichloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,1-Dichloroethene	mg/L	ND	0.0010	10/19/18 18:02	
1,1-Dichloropropene	mg/L	ND	0.0010	10/19/18 18:02	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
1,2,3-Trichloropropane	mg/L	ND	0.0010	10/19/18 18:02	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0020	10/19/18 18:02	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	10/19/18 18:02	
1,2-Dichlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
1,2-Dichloroethane	mg/L	ND	0.0010	10/19/18 18:02	
1,2-Dichloropropane	mg/L	ND	0.0010	10/19/18 18:02	
1,3-Dichlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
1,3-Dichloropropane	mg/L	ND	0.0010	10/19/18 18:02	
1,4-Dichlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
2,2-Dichloropropane	mg/L	ND	0.0010	10/19/18 18:02	
2-Butanone (MEK)	mg/L	ND	0.0050	10/19/18 18:02	
2-Chlorotoluene	mg/L	ND	0.0010	10/19/18 18:02	
2-Hexanone	mg/L	ND	0.0050	10/19/18 18:02	
4-Chlorotoluene	mg/L	ND	0.0010	10/19/18 18:02	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0050	10/19/18 18:02	
Acetone	mg/L	ND	0.025	10/19/18 18:02	
Benzene	mg/L	ND	0.0010	10/19/18 18:02	
Bromobenzene	mg/L	ND	0.0010	10/19/18 18:02	
Bromochloromethane	mg/L	ND	0.0010	10/19/18 18:02	
Bromodichloromethane	mg/L	ND	0.0010	10/19/18 18:02	
Bromoform	mg/L	ND	0.0010	10/19/18 18:02	
Bromomethane	mg/L	ND	0.0020	10/19/18 18:02	
Carbon tetrachloride	mg/L	ND	0.0010	10/19/18 18:02	
Chlorobenzene	mg/L	ND	0.0010	10/19/18 18:02	
Chloroethane	mg/L	ND	0.0010	10/19/18 18:02	
Chloroform	mg/L	ND	0.0010	10/19/18 18:02	
Chloromethane	mg/L	ND	0.0010	10/19/18 18:02	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	10/19/18 18:02	
cis-1,3-Dichloropropene	mg/L	ND	0.0010	10/19/18 18:02	
Dibromochloromethane	mg/L	ND	0.0010	10/19/18 18:02	
Dibromomethane	mg/L	ND	0.0010	10/19/18 18:02	
Dichlorodifluoromethane	mg/L	ND	0.0010	10/19/18 18:02	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

METHOD BLANK: 2404360 Matrix: Water
Associated Lab Samples: 2610478007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	mg/L	ND	0.0010	10/19/18 18:02	
Ethylbenzene	mg/L	ND	0.0010	10/19/18 18:02	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	10/19/18 18:02	
m&p-Xylene	mg/L	ND	0.0020	10/19/18 18:02	
Methyl-tert-butyl ether	mg/L	ND	0.0010	10/19/18 18:02	
Methylene Chloride	mg/L	ND	0.0020	10/19/18 18:02	
Naphthalene	mg/L	ND	0.0010	10/19/18 18:02	
o-Xylene	mg/L	ND	0.0010	10/19/18 18:02	
p-Isopropyltoluene	mg/L	ND	0.0010	10/19/18 18:02	
Styrene	mg/L	ND	0.0010	10/19/18 18:02	
Tetrachloroethene	mg/L	ND	0.0010	10/19/18 18:02	
Toluene	mg/L	ND	0.0010	10/19/18 18:02	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	10/19/18 18:02	
trans-1,3-Dichloropropene	mg/L	ND	0.0010	10/19/18 18:02	
Trichloroethene	mg/L	ND	0.0010	10/19/18 18:02	
Trichlorofluoromethane	mg/L	ND	0.0010	10/19/18 18:02	
Vinyl acetate	mg/L	ND	0.0020	10/19/18 18:02	
Vinyl chloride	mg/L	ND	0.0010	10/19/18 18:02	
Xylene (Total)	mg/L	ND	0.0010	10/19/18 18:02	
1,2-Dichloroethane-d4 (S)	%	106	70-130	10/19/18 18:02	
4-Bromofluorobenzene (S)	%	98	70-130	10/19/18 18:02	
Toluene-d8 (S)	%	103	70-130	10/19/18 18:02	

LABORATORY CONTROL SAMPLE: 2404361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.050	100	80-125	
1,1,1-Trichloroethane	mg/L	.05	0.053	105	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.058	116	79-124	
1,1,2-Trichloroethane	mg/L	.05	0.055	110	85-125	
1,1-Dichloroethane	mg/L	.05	0.055	110	73-126	
1,1-Dichloroethene	mg/L	.05	0.055	111	66-135	
1,1-Dichloropropene	mg/L	.05	0.060	119	74-135	
1,2,3-Trichlorobenzene	mg/L	.05	0.057	114	73-135	
1,2,3-Trichloropropane	mg/L	.05	0.055	110	75-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.057	115	75-134	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.051	101	71-133	
1,2-Dibromoethane (EDB)	mg/L	.05	0.052	104	83-124	
1,2-Dichlorobenzene	mg/L	.05	0.055	111	80-133	
1,2-Dichloroethane	mg/L	.05	0.054	108	67-128	
1,2-Dichloropropane	mg/L	.05	0.061	122	75-132	
1,3-Dichlorobenzene	mg/L	.05	0.058	117	77-130	
1,3-Dichloropropane	mg/L	.05	0.059	118	76-131	
1,4-Dichlorobenzene	mg/L	.05	0.055	111	78-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

LABORATORY CONTROL SAMPLE: 2404361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	mg/L	.05	0.059	118	40-160	
2-Butanone (MEK)	mg/L	.1	0.14	137	61-144	
2-Chlorotoluene	mg/L	.05	0.056	111	74-132	
2-Hexanone	mg/L	.1	0.14	137	68-143	
4-Chlorotoluene	mg/L	.05	0.057	114	76-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.1	0.13	128	72-135	
Acetone	mg/L	.1	0.14	135	48-146	
Benzene	mg/L	.05	0.060	120	80-125	
Bromobenzene	mg/L	.05	0.054	108	75-125	
Bromochloromethane	mg/L	.05	0.060	119	71-125	
Bromodichloromethane	mg/L	.05	0.058	117	78-124	
Bromoform	mg/L	.05	0.044	88	71-128	
Bromomethane	mg/L	.05	0.045	90	40-160	
Carbon tetrachloride	mg/L	.05	0.059	117	69-131	
Chlorobenzene	mg/L	.05	0.055	110	81-122	
Chloroethane	mg/L	.05	0.057	115	39-148	
Chloroform	mg/L	.05	0.053	105	73-127	
Chloromethane	mg/L	.05	0.050	100	44-146	
cis-1,2-Dichloroethene	mg/L	.05	0.056	111	74-124	
cis-1,3-Dichloropropene	mg/L	.05	0.060	120	72-132	
Dibromochloromethane	mg/L	.05	0.048	97	78-125	
Dibromomethane	mg/L	.05	0.058	116	82-120	
Dichlorodifluoromethane	mg/L	.05	0.057	114	34-157	
Diisopropyl ether	mg/L	.05	0.059	119	69-135	
Ethylbenzene	mg/L	.05	0.057	113	79-121	
Hexachloro-1,3-butadiene	mg/L	.05	0.056	113	72-131	
m&p-Xylene	mg/L	.1	0.12	117	81-124	
Methyl-tert-butyl ether	mg/L	.05	0.053	106	74-131	
Methylene Chloride	mg/L	.05	0.056	113	64-133	
Naphthalene	mg/L	.05	0.059	118	73-133	
o-Xylene	mg/L	.05	0.059	118	79-131	
p-Isopropyltoluene	mg/L	.05	0.060	120	80-131	
Styrene	mg/L	.05	0.057	115	84-126	
Tetrachloroethene	mg/L	.05	0.056	112	78-122	
Toluene	mg/L	.05	0.055	111	80-121	
trans-1,2-Dichloroethene	mg/L	.05	0.054	107	71-127	
trans-1,3-Dichloropropene	mg/L	.05	0.053	107	69-141	
Trichloroethene	mg/L	.05	0.059	119	78-122	
Trichlorofluoromethane	mg/L	.05	0.047	94	53-137	
Vinyl acetate	mg/L	.1	0.11	113	40-160	
Vinyl chloride	mg/L	.05	0.062	124	58-137	
Xylene (Total)	mg/L	.15	0.18	117	81-126	
1,2-Dichloroethane-d4 (S)	%			90	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2405434 2405435

Parameter	Units	2610478007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/L	ND	.8	.8	0.76	0.75	95	93	70-130	2	30	
1,1,1-Trichloroethane	mg/L	1.1	.8	.8	2.0	2.0	106	107	70-130	0	30	
1,1,2,2-Tetrachloroethane	mg/L	ND	.8	.8	0.81	0.77	102	96	70-130	6	30	
1,1,2-Trichloroethane	mg/L	ND	.8	.8	0.86	0.86	108	107	70-130	1	30	
1,1-Dichloroethane	mg/L	0.29	.8	.8	1.1	1.1	103	103	70-130	0	30	
1,1-Dichloroethene	mg/L	7.6	.8	.8	8.6	8.8	124	154	70-166	3	30	E
1,1-Dichloropropene	mg/L	ND	.8	.8	0.81	0.84	102	105	70-130	3	30	
1,2,3-Trichlorobenzene	mg/L	ND	.8	.8	0.78	0.74	97	92	70-130	6	30	
1,2,3-Trichloropropane	mg/L	ND	.8	.8	0.75	0.75	94	94	70-130	1	30	
1,2,4-Trichlorobenzene	mg/L	ND	.8	.8	0.75	0.75	94	94	70-130	0	30	
1,2-Dibromo-3-chloropropane	mg/L	ND	.8	.8	0.82	0.79	103	98	70-130	4	30	
1,2-Dibromoethane (EDB)	mg/L	ND	.8	.8	0.80	0.77	100	96	70-130	5	30	
1,2-Dichlorobenzene	mg/L	ND	.8	.8	0.77	0.74	96	92	70-130	4	30	
1,2-Dichloroethane	mg/L	ND	.8	.8	0.87	0.84	109	105	70-130	4	30	
1,2-Dichloropropane	mg/L	ND	.8	.8	0.88	0.89	110	111	70-130	1	30	
1,3-Dichlorobenzene	mg/L	ND	.8	.8	0.76	0.74	95	93	70-130	2	30	
1,3-Dichloropropane	mg/L	ND	.8	.8	0.85	0.82	106	102	70-130	3	30	
1,4-Dichlorobenzene	mg/L	ND	.8	.8	0.77	0.74	97	93	70-130	4	30	
2,2-Dichloropropane	mg/L	ND	.8	.8	0.71	0.71	88	89	70-130	1	30	
2-Butanone (MEK)	mg/L	ND	1.6	1.6	2.6	1.9	162	118	70-130	32	30	M1,R1
2-Chlorotoluene	mg/L	ND	.8	.8	0.84	0.77	105	97	70-130	8	30	
2-Hexanone	mg/L	ND	1.6	1.6	2.0	1.9	122	116	70-130	5	30	
4-Chlorotoluene	mg/L	ND	.8	.8	0.81	0.78	101	98	70-130	4	30	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	1.6	1.6	1.8	1.8	114	113	70-130	1	30	
Acetone	mg/L	ND	1.6	1.6	2.2	2.1	135	132	70-130	2	30	M1
Benzene	mg/L	0.065	.8	.8	1.2	0.97	140	113	70-148	20	30	
Bromobenzene	mg/L	ND	.8	.8	0.75	0.75	93	94	70-130	1	30	
Bromochloromethane	mg/L	ND	.8	.8	0.86	0.87	108	108	70-130	0	30	
Bromodichloromethane	mg/L	ND	.8	.8	0.83	0.85	104	107	70-130	2	30	
Bromoform	mg/L	ND	.8	.8	0.75	0.74	93	93	70-130	1	30	
Bromomethane	mg/L	ND	.8	.8	0.90	0.91	113	114	70-130	1	30	
Carbon tetrachloride	mg/L	ND	.8	.8	0.86	0.85	107	106	70-130	0	30	
Chlorobenzene	mg/L	ND	.8	.8	0.81	0.77	102	97	70-146	5	30	
Chloroethane	mg/L	ND	.8	.8	0.75	0.74	93	93	70-130	0	30	
Chloroform	mg/L	ND	.8	.8	0.82	0.85	103	106	70-130	3	30	
Chloromethane	mg/L	ND	.8	.8	0.77	0.73	96	91	70-130	5	30	
cis-1,2-Dichloroethene	mg/L	0.054	.8	.8	0.88	0.90	103	106	70-130	2	30	
cis-1,3-Dichloropropene	mg/L	ND	.8	.8	0.80	0.82	100	102	70-130	2	30	
Dibromochloromethane	mg/L	ND	.8	.8	0.77	0.76	96	95	70-130	1	30	
Dibromomethane	mg/L	ND	.8	.8	0.83	0.85	104	106	70-130	2	30	
Dichlorodifluoromethane	mg/L	ND	.8	.8	0.77	0.77	97	96	70-130	1	30	
Diisopropyl ether	mg/L	ND	.8	.8	0.87	0.82	108	103	70-130	5	30	
Ethylbenzene	mg/L	ND	.8	.8	1.0	0.83	128	101	70-130	23	30	
Hexachloro-1,3-butadiene	mg/L	ND	.8	.8	0.81	0.79	101	99	70-130	3	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2405434 2405435

Parameter	Units	2610478007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	mg/L	ND	1.6	1.6	3.1	1.8	187	106	70-130	54	30	M1,R1
Methyl-tert-butyl ether	mg/L	ND	.8	.8	0.79	0.80	98	100	70-130	2	30	
Methylene Chloride	mg/L	ND	.8	.8	0.91	0.91	114	114	70-130	0	30	
Naphthalene	mg/L	ND	.8	.8	1.6	0.90	197	112	70-130	55	30	M1,R1
o-Xylene	mg/L	ND	.8	.8	1.4	0.87	173	106	70-130	47	30	M1,R1
p-Isopropyltoluene	mg/L	ND	.8	.8	0.88	0.81	110	102	70-130	8	30	
Styrene	mg/L	ND	.8	.8	0.81	0.76	101	96	70-130	6	30	
Tetrachloroethene	mg/L	ND	.8	.8	0.78	0.75	98	94	70-130	4	30	
Toluene	mg/L	0.24	.8	.8	2.0	1.2	225	116	70-155	54	30	M1,R1
trans-1,2-Dichloroethene	mg/L	ND	.8	.8	0.78	0.81	98	101	70-130	4	30	
trans-1,3-Dichloropropene	mg/L	ND	.8	.8	0.79	0.79	99	99	70-130	1	30	
Trichloroethene	mg/L	0.066	.8	.8	0.93	0.92	108	107	69-151	2	30	
Trichlorofluoromethane	mg/L	ND	.8	.8	0.73	0.72	91	90	70-130	1	30	
Vinyl acetate	mg/L	ND	1.6	1.6	1.7	1.7	106	104	70-130	2	30	
Vinyl chloride	mg/L	ND	.8	.8	1.0	1.0	126	124	70-130	1	30	
Xylene (Total)	mg/L	ND	2.4	2.4	4.5	2.6	186	109	70-130	52	30	MS,RS
1,2-Dichloroethane-d4 (S)	%						95	91	70-130			
4-Bromofluorobenzene (S)	%						102	100	70-130			
Toluene-d8 (S)	%						102	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 437517 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 2610478006, 2610478013, 2610478015, 2610478027

METHOD BLANK: 2406056 Matrix: Water
Associated Lab Samples: 2610478006, 2610478013, 2610478015, 2610478027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,1,1-Trichloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,1,2-Trichloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,1-Dichloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,1-Dichloroethene	mg/L	ND	0.0010	10/21/18 13:20	
1,1-Dichloropropene	mg/L	ND	0.0010	10/21/18 13:20	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
1,2,3-Trichloropropane	mg/L	ND	0.0010	10/21/18 13:20	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0020	10/21/18 13:20	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	10/21/18 13:20	
1,2-Dichlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
1,2-Dichloroethane	mg/L	ND	0.0010	10/21/18 13:20	
1,2-Dichloropropane	mg/L	ND	0.0010	10/21/18 13:20	
1,3-Dichlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
1,3-Dichloropropane	mg/L	ND	0.0010	10/21/18 13:20	
1,4-Dichlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
2,2-Dichloropropane	mg/L	ND	0.0010	10/21/18 13:20	
2-Butanone (MEK)	mg/L	ND	0.0050	10/21/18 13:20	
2-Chlorotoluene	mg/L	ND	0.0010	10/21/18 13:20	
2-Hexanone	mg/L	ND	0.0050	10/21/18 13:20	
4-Chlorotoluene	mg/L	ND	0.0010	10/21/18 13:20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0050	10/21/18 13:20	
Acetone	mg/L	ND	0.025	10/21/18 13:20	
Benzene	mg/L	ND	0.0010	10/21/18 13:20	
Bromobenzene	mg/L	ND	0.0010	10/21/18 13:20	
Bromochloromethane	mg/L	ND	0.0010	10/21/18 13:20	
Bromodichloromethane	mg/L	ND	0.0010	10/21/18 13:20	
Bromoform	mg/L	ND	0.0010	10/21/18 13:20	
Bromomethane	mg/L	ND	0.0020	10/21/18 13:20	
Carbon tetrachloride	mg/L	ND	0.0010	10/21/18 13:20	
Chlorobenzene	mg/L	ND	0.0010	10/21/18 13:20	
Chloroethane	mg/L	ND	0.0010	10/21/18 13:20	
Chloroform	mg/L	ND	0.0010	10/21/18 13:20	
Chloromethane	mg/L	ND	0.0010	10/21/18 13:20	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	10/21/18 13:20	
cis-1,3-Dichloropropene	mg/L	ND	0.0010	10/21/18 13:20	
Dibromochloromethane	mg/L	ND	0.0010	10/21/18 13:20	
Dibromomethane	mg/L	ND	0.0010	10/21/18 13:20	
Dichlorodifluoromethane	mg/L	ND	0.0010	10/21/18 13:20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

METHOD BLANK: 2406056 Matrix: Water
Associated Lab Samples: 2610478006, 2610478013, 2610478015, 2610478027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	mg/L	ND	0.0010	10/21/18 13:20	
Ethylbenzene	mg/L	ND	0.0010	10/21/18 13:20	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	10/21/18 13:20	
m&p-Xylene	mg/L	ND	0.0020	10/21/18 13:20	
Methyl-tert-butyl ether	mg/L	ND	0.0010	10/21/18 13:20	
Methylene Chloride	mg/L	ND	0.0020	10/21/18 13:20	
Naphthalene	mg/L	ND	0.0010	10/21/18 13:20	
o-Xylene	mg/L	ND	0.0010	10/21/18 13:20	
p-Isopropyltoluene	mg/L	ND	0.0010	10/21/18 13:20	
Styrene	mg/L	ND	0.0010	10/21/18 13:20	
Tetrachloroethene	mg/L	ND	0.0010	10/21/18 13:20	
Toluene	mg/L	ND	0.0010	10/21/18 13:20	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	10/21/18 13:20	
trans-1,3-Dichloropropene	mg/L	ND	0.0010	10/21/18 13:20	
Trichloroethene	mg/L	ND	0.0010	10/21/18 13:20	
Trichlorofluoromethane	mg/L	ND	0.0010	10/21/18 13:20	
Vinyl acetate	mg/L	ND	0.0020	10/21/18 13:20	
Vinyl chloride	mg/L	ND	0.0010	10/21/18 13:20	
Xylene (Total)	mg/L	ND	0.0010	10/21/18 13:20	
1,2-Dichloroethane-d4 (S)	%	97	70-130	10/21/18 13:20	
4-Bromofluorobenzene (S)	%	104	70-130	10/21/18 13:20	
Toluene-d8 (S)	%	113	70-130	10/21/18 13:20	

LABORATORY CONTROL SAMPLE: 2406057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.048	97	80-125	
1,1,1-Trichloroethane	mg/L	.05	0.056	112	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.048	97	79-124	
1,1,2-Trichloroethane	mg/L	.05	0.056	113	85-125	
1,1-Dichloroethane	mg/L	.05	0.052	103	73-126	
1,1-Dichloroethene	mg/L	.05	0.055	110	66-135	
1,1-Dichloropropene	mg/L	.05	0.051	102	74-135	
1,2,3-Trichlorobenzene	mg/L	.05	0.054	109	73-135	
1,2,3-Trichloropropane	mg/L	.05	0.056	113	75-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.056	112	75-134	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.050	100	71-133	
1,2-Dibromoethane (EDB)	mg/L	.05	0.050	101	83-124	
1,2-Dichlorobenzene	mg/L	.05	0.054	108	80-133	
1,2-Dichloroethane	mg/L	.05	0.051	102	67-128	
1,2-Dichloropropane	mg/L	.05	0.054	108	75-132	
1,3-Dichlorobenzene	mg/L	.05	0.054	109	77-130	
1,3-Dichloropropane	mg/L	.05	0.052	103	76-131	
1,4-Dichlorobenzene	mg/L	.05	0.053	105	78-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

LABORATORY CONTROL SAMPLE: 2406057

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	mg/L	.05	0.058	115	40-160	
2-Butanone (MEK)	mg/L	.1	0.11	108	61-144	
2-Chlorotoluene	mg/L	.05	0.054	107	74-132	
2-Hexanone	mg/L	.1	0.10	100	68-143	
4-Chlorotoluene	mg/L	.05	0.056	112	76-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.1	0.11	113	72-135	
Acetone	mg/L	.1	0.11	109	48-146	
Benzene	mg/L	.05	0.054	108	80-125	
Bromobenzene	mg/L	.05	0.053	106	75-125	
Bromochloromethane	mg/L	.05	0.052	104	71-125	
Bromodichloromethane	mg/L	.05	0.053	105	78-124	
Bromoform	mg/L	.05	0.046	91	71-128	
Bromomethane	mg/L	.05	0.045	90	40-160	
Carbon tetrachloride	mg/L	.05	0.054	107	69-131	
Chlorobenzene	mg/L	.05	0.054	108	81-122	
Chloroethane	mg/L	.05	0.044	89	39-148	
Chloroform	mg/L	.05	0.051	102	73-127	
Chloromethane	mg/L	.05	0.049	98	44-146	
cis-1,2-Dichloroethene	mg/L	.05	0.053	106	74-124	
cis-1,3-Dichloropropene	mg/L	.05	0.053	106	72-132	
Dibromochloromethane	mg/L	.05	0.050	100	78-125	
Dibromomethane	mg/L	.05	0.051	102	82-120	
Dichlorodifluoromethane	mg/L	.05	0.042	84	34-157	
Diisopropyl ether	mg/L	.05	0.051	102	69-135	
Ethylbenzene	mg/L	.05	0.052	105	79-121	
Hexachloro-1,3-butadiene	mg/L	.05	0.060	119	72-131	
m&p-Xylene	mg/L	.1	0.11	106	81-124	
Methyl-tert-butyl ether	mg/L	.05	0.051	101	74-131	
Methylene Chloride	mg/L	.05	0.051	101	64-133	
Naphthalene	mg/L	.05	0.054	108	73-133	
o-Xylene	mg/L	.05	0.055	109	79-131	
p-Isopropyltoluene	mg/L	.05	0.056	111	80-131	
Styrene	mg/L	.05	0.052	105	84-126	
Tetrachloroethene	mg/L	.05	0.052	105	78-122	
Toluene	mg/L	.05	0.050	101	80-121	
trans-1,2-Dichloroethene	mg/L	.05	0.055	109	71-127	
trans-1,3-Dichloropropene	mg/L	.05	0.052	103	69-141	
Trichloroethene	mg/L	.05	0.056	112	78-122	
Trichlorofluoromethane	mg/L	.05	0.044	88	53-137	
Vinyl acetate	mg/L	.1	0.11	109	40-160	
Vinyl chloride	mg/L	.05	0.052	104	58-137	
Xylene (Total)	mg/L	.15	0.16	107	81-126	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			94	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2406058 2406059

Parameter	Units	2610478006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/L	ND	2	2	1.6	2.0	80	98	70-130	20	30	
1,1,1-Trichloroethane	mg/L	0.91	2	2	3.7	3.9	137	151	70-130	7	30	M1
1,1,2,2-Tetrachloroethane	mg/L	ND	2	2	1.6	2.0	82	102	70-130	22	30	
1,1,2-Trichloroethane	mg/L	ND	2	2	2.1	2.5	104	127	70-130	20	30	
1,1-Dichloroethane	mg/L	0.30	2	2	2.7	2.9	121	128	70-130	5	30	
1,1-Dichloroethene	mg/L	9.0	2	2	12.0	12.3	151	169	70-166	3	30	M1
1,1-Dichloropropene	mg/L	ND	2	2	2.1	2.5	105	125	70-130	17	30	
1,2,3-Trichlorobenzene	mg/L	ND	2	2	1.9	2.4	96	118	70-130	21	30	
1,2,3-Trichloropropane	mg/L	ND	2	2	1.8	2.3	88	113	70-130	25	30	
1,2,4-Trichlorobenzene	mg/L	ND	2	2	2.0	2.4	99	121	70-130	20	30	
1,2-Dibromo-3-chloropropane	mg/L	ND	2	2	1.4	2.0	72	100	70-130	33	30	R1
1,2-Dibromoethane (EDB)	mg/L	ND	2	2	1.7	2.1	86	104	70-130	20	30	
1,2-Dichlorobenzene	mg/L	ND	2	2	2.0	2.4	101	118	70-130	16	30	
1,2-Dichloroethane	mg/L	ND	2	2	2.2	2.5	108	123	70-130	13	30	
1,2-Dichloropropane	mg/L	ND	2	2	2.2	2.6	109	130	70-130	18	30	
1,3-Dichlorobenzene	mg/L	ND	2	2	2.1	2.4	103	121	70-130	16	30	
1,3-Dichloropropane	mg/L	ND	2	2	1.8	2.2	91	111	70-130	19	30	
1,4-Dichlorobenzene	mg/L	ND	2	2	2.0	2.4	100	118	70-130	16	30	
2,2-Dichloropropane	mg/L	ND	2	2	2.2	2.5	109	124	70-130	14	30	
2-Butanone (MEK)	mg/L	ND	4	4	3.3	4.3	82	109	70-130	28	30	
2-Chlorotoluene	mg/L	ND	2	2	2.1	2.4	105	121	70-130	14	30	
2-Hexanone	mg/L	ND	4	4	3.1	4.1	79	103	70-130	27	30	
4-Chlorotoluene	mg/L	ND	2	2	2.1	2.5	106	125	70-130	17	30	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	4	4	3.7	4.7	93	118	70-130	24	30	
Acetone	mg/L	ND	4	4	3.7	4.7	91	118	70-130	26	30	
Benzene	mg/L	ND	2	2	2.4	2.7	118	135	70-148	14	30	
Bromobenzene	mg/L	ND	2	2	2.0	2.3	102	117	70-130	14	30	
Bromochloromethane	mg/L	ND	2	2	2.4	2.6	122	129	70-130	5	30	
Bromodichloromethane	mg/L	ND	2	2	2.2	2.5	112	127	70-130	13	30	
Bromoform	mg/L	ND	2	2	1.4	1.7	68	84	70-130	21	30	M1
Bromomethane	mg/L	ND	2	2	1.8	1.9	88	96	70-130	8	30	
Carbon tetrachloride	mg/L	ND	2	2	2.4	2.8	120	139	70-130	15	30	M1
Chlorobenzene	mg/L	ND	2	2	2.2	2.5	108	123	70-146	13	30	
Chloroethane	mg/L	ND	2	2	2.6	2.7	129	136	70-130	5	30	M1
Chloroform	mg/L	ND	2	2	2.3	2.6	115	128	70-130	11	30	
Chloromethane	mg/L	ND	2	2	1.9	2.2	96	109	70-130	13	30	
cis-1,2-Dichloroethene	mg/L	ND	2	2	2.4	2.7	118	132	70-130	11	30	M1
cis-1,3-Dichloropropene	mg/L	ND	2	2	1.9	2.4	96	118	70-130	20	30	
Dibromochloromethane	mg/L	ND	2	2	1.7	2.0	84	101	70-130	18	30	
Dibromomethane	mg/L	ND	2	2	2.2	2.5	108	127	70-130	16	30	
Dichlorodifluoromethane	mg/L	ND	2	2	2.1	2.3	105	114	70-130	8	30	
Diisopropyl ether	mg/L	ND	2	2	1.7	2.1	86	107	70-130	21	30	
Ethylbenzene	mg/L	ND	2	2	2.2	2.5	109	123	70-130	12	30	
Hexachloro-1,3-butadiene	mg/L	ND	2	2	2.1	2.5	106	125	70-130	17	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2406058 2406059

Parameter	Units	2610478006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
m&p-Xylene	mg/L	ND	4	4	4.5	5.1	113	127	70-130	11	30	
Methyl-tert-butyl ether	mg/L	ND	2	2	1.7	2.2	84	109	70-130	26	30	
Methylene Chloride	mg/L	ND	2	2	2.2	2.4	109	122	70-130	11	30	
Naphthalene	mg/L	ND	2	2	1.7	2.2	84	111	70-130	28	30	
o-Xylene	mg/L	ND	2	2	2.3	2.6	113	130	70-130	13	30	
p-Isopropyltoluene	mg/L	ND	2	2	2.1	2.4	106	121	70-130	13	30	
Styrene	mg/L	ND	2	2	2.2	2.4	109	122	70-130	11	30	
Tetrachloroethene	mg/L	ND	2	2	2.1	2.4	105	118	70-130	12	30	
Toluene	mg/L	ND	2	2	2.2	2.6	108	123	70-155	13	30	
trans-1,2-Dichloroethene	mg/L	ND	2	2	2.5	2.7	123	134	70-130	8	30	M1
trans-1,3-Dichloropropene	mg/L	ND	2	2	1.8	2.2	89	111	70-130	22	30	
Trichloroethene	mg/L	ND	2	2	2.4	2.8	119	135	69-151	13	30	
Trichlorofluoromethane	mg/L	ND	2	2	2.5	2.7	126	135	70-130	7	30	M1
Vinyl acetate	mg/L	ND	4	4	3.3	4.4	82	110	70-130	29	30	
Vinyl chloride	mg/L	ND	2	2	2.5	2.7	126	134	70-130	6	30	M1
Xylene (Total)	mg/L	ND	6	6	6.8	7.7	113	128	70-130	12	30	
1,2-Dichloroethane-d4 (S)	%						95	100	70-130			
4-Bromofluorobenzene (S)	%						104	100	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 437570 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260 MSV Low Level
Associated Lab Samples: 2610478023, 2610478024, 2610478030

METHOD BLANK: 2406194 Matrix: Water
Associated Lab Samples: 2610478023, 2610478024, 2610478030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,1,1-Trichloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,1,2-Trichloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,1-Dichloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,1-Dichloroethene	mg/L	ND	0.0010	10/22/18 10:23	
1,1-Dichloropropene	mg/L	ND	0.0010	10/22/18 10:23	
1,2,3-Trichlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
1,2,3-Trichloropropane	mg/L	ND	0.0010	10/22/18 10:23	
1,2,4-Trichlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.0020	10/22/18 10:23	
1,2-Dibromoethane (EDB)	mg/L	ND	0.0010	10/22/18 10:23	
1,2-Dichlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
1,2-Dichloroethane	mg/L	ND	0.0010	10/22/18 10:23	
1,2-Dichloropropane	mg/L	ND	0.0010	10/22/18 10:23	
1,3-Dichlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
1,3-Dichloropropane	mg/L	ND	0.0010	10/22/18 10:23	
1,4-Dichlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
2,2-Dichloropropane	mg/L	ND	0.0010	10/22/18 10:23	
2-Butanone (MEK)	mg/L	ND	0.0050	10/22/18 10:23	
2-Chlorotoluene	mg/L	ND	0.0010	10/22/18 10:23	
2-Hexanone	mg/L	ND	0.0050	10/22/18 10:23	
4-Chlorotoluene	mg/L	ND	0.0010	10/22/18 10:23	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0050	10/22/18 10:23	
Acetone	mg/L	ND	0.025	10/22/18 10:23	
Benzene	mg/L	ND	0.0010	10/22/18 10:23	
Bromobenzene	mg/L	ND	0.0010	10/22/18 10:23	
Bromochloromethane	mg/L	ND	0.0010	10/22/18 10:23	
Bromodichloromethane	mg/L	ND	0.0010	10/22/18 10:23	
Bromoform	mg/L	ND	0.0010	10/22/18 10:23	
Bromomethane	mg/L	ND	0.0020	10/22/18 10:23	
Carbon tetrachloride	mg/L	ND	0.0010	10/22/18 10:23	
Chlorobenzene	mg/L	ND	0.0010	10/22/18 10:23	
Chloroethane	mg/L	ND	0.0010	10/22/18 10:23	
Chloroform	mg/L	ND	0.0010	10/22/18 10:23	
Chloromethane	mg/L	ND	0.0010	10/22/18 10:23	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	10/22/18 10:23	
cis-1,3-Dichloropropene	mg/L	ND	0.0010	10/22/18 10:23	
Dibromochloromethane	mg/L	ND	0.0010	10/22/18 10:23	
Dibromomethane	mg/L	ND	0.0010	10/22/18 10:23	
Dichlorodifluoromethane	mg/L	ND	0.0010	10/22/18 10:23	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

METHOD BLANK: 2406194 Matrix: Water
Associated Lab Samples: 2610478023, 2610478024, 2610478030

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	mg/L	ND	0.0010	10/22/18 10:23	
Ethylbenzene	mg/L	ND	0.0010	10/22/18 10:23	
Hexachloro-1,3-butadiene	mg/L	ND	0.0010	10/22/18 10:23	
m&p-Xylene	mg/L	ND	0.0020	10/22/18 10:23	
Methyl-tert-butyl ether	mg/L	ND	0.0010	10/22/18 10:23	
Methylene Chloride	mg/L	ND	0.0020	10/22/18 10:23	
Naphthalene	mg/L	ND	0.0010	10/22/18 10:23	
o-Xylene	mg/L	ND	0.0010	10/22/18 10:23	
p-Isopropyltoluene	mg/L	ND	0.0010	10/22/18 10:23	
Styrene	mg/L	ND	0.0010	10/22/18 10:23	
Tetrachloroethene	mg/L	ND	0.0010	10/22/18 10:23	
Toluene	mg/L	ND	0.0010	10/22/18 10:23	
trans-1,2-Dichloroethene	mg/L	ND	0.0010	10/22/18 10:23	
trans-1,3-Dichloropropene	mg/L	ND	0.0010	10/22/18 10:23	
Trichloroethene	mg/L	ND	0.0010	10/22/18 10:23	
Trichlorofluoromethane	mg/L	ND	0.0010	10/22/18 10:23	
Vinyl acetate	mg/L	ND	0.0020	10/22/18 10:23	
Vinyl chloride	mg/L	ND	0.0010	10/22/18 10:23	
Xylene (Total)	mg/L	ND	0.0010	10/22/18 10:23	
1,2-Dichloroethane-d4 (S)	%	92	70-130	10/22/18 10:23	
4-Bromofluorobenzene (S)	%	95	70-130	10/22/18 10:23	
Toluene-d8 (S)	%	103	70-130	10/22/18 10:23	

LABORATORY CONTROL SAMPLE: 2406195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	.05	0.049	97	80-125	
1,1,1-Trichloroethane	mg/L	.05	0.045	90	71-129	
1,1,2,2-Tetrachloroethane	mg/L	.05	0.047	93	79-124	
1,1,2-Trichloroethane	mg/L	.05	0.049	98	85-125	
1,1-Dichloroethane	mg/L	.05	0.042	85	73-126	
1,1-Dichloroethene	mg/L	.05	0.045	90	66-135	
1,1-Dichloropropene	mg/L	.05	0.046	91	74-135	
1,2,3-Trichlorobenzene	mg/L	.05	0.051	102	73-135	
1,2,3-Trichloropropane	mg/L	.05	0.049	98	75-130	
1,2,4-Trichlorobenzene	mg/L	.05	0.052	104	75-134	
1,2-Dibromo-3-chloropropane	mg/L	.05	0.048	97	71-133	
1,2-Dibromoethane (EDB)	mg/L	.05	0.050	100	83-124	
1,2-Dichlorobenzene	mg/L	.05	0.051	102	80-133	
1,2-Dichloroethane	mg/L	.05	0.046	91	67-128	
1,2-Dichloropropane	mg/L	.05	0.048	95	75-132	
1,3-Dichlorobenzene	mg/L	.05	0.051	102	77-130	
1,3-Dichloropropane	mg/L	.05	0.051	102	76-131	
1,4-Dichlorobenzene	mg/L	.05	0.051	102	78-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

LABORATORY CONTROL SAMPLE: 2406195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	mg/L	.05	0.047	94	40-160	
2-Butanone (MEK)	mg/L	.1	0.087	87	61-144	
2-Chlorotoluene	mg/L	.05	0.048	96	74-132	
2-Hexanone	mg/L	.1	0.091	91	68-143	
4-Chlorotoluene	mg/L	.05	0.049	97	76-133	
4-Methyl-2-pentanone (MIBK)	mg/L	.1	0.091	91	72-135	
Acetone	mg/L	.1	0.081	81	48-146	
Benzene	mg/L	.05	0.048	95	80-125	
Bromobenzene	mg/L	.05	0.051	102	75-125	
Bromochloromethane	mg/L	.05	0.050	101	71-125	
Bromodichloromethane	mg/L	.05	0.048	95	78-124	
Bromoform	mg/L	.05	0.049	97	71-128	
Bromomethane	mg/L	.05	0.035	69	40-160	
Carbon tetrachloride	mg/L	.05	0.049	99	69-131	
Chlorobenzene	mg/L	.05	0.049	99	81-122	
Chloroethane	mg/L	.05	0.043	86	39-148	
Chloroform	mg/L	.05	0.049	98	73-127	
Chloromethane	mg/L	.05	0.032	64	44-146	
cis-1,2-Dichloroethene	mg/L	.05	0.045	90	74-124	
cis-1,3-Dichloropropene	mg/L	.05	0.049	97	72-132	
Dibromochloromethane	mg/L	.05	0.051	101	78-125	
Dibromomethane	mg/L	.05	0.051	103	82-120	
Dichlorodifluoromethane	mg/L	.05	0.021	41	34-157	
Diisopropyl ether	mg/L	.05	0.044	88	69-135	
Ethylbenzene	mg/L	.05	0.048	96	79-121	
Hexachloro-1,3-butadiene	mg/L	.05	0.050	100	72-131	
m&p-Xylene	mg/L	.1	0.096	96	81-124	
Methyl-tert-butyl ether	mg/L	.05	0.046	92	74-131	
Methylene Chloride	mg/L	.05	0.043	85	64-133	
Naphthalene	mg/L	.05	0.050	101	73-133	
o-Xylene	mg/L	.05	0.049	99	79-131	
p-Isopropyltoluene	mg/L	.05	0.051	101	80-131	
Styrene	mg/L	.05	0.049	97	84-126	
Tetrachloroethene	mg/L	.05	0.048	96	78-122	
Toluene	mg/L	.05	0.048	96	80-121	
trans-1,2-Dichloroethene	mg/L	.05	0.045	89	71-127	
trans-1,3-Dichloropropene	mg/L	.05	0.047	94	69-141	
Trichloroethene	mg/L	.05	0.050	100	78-122	
Trichlorofluoromethane	mg/L	.05	0.041	81	53-137	
Vinyl acetate	mg/L	.1	0.10	103	40-160	
Vinyl chloride	mg/L	.05	0.039	78	58-137	
Xylene (Total)	mg/L	.15	0.15	97	81-126	
1,2-Dichloroethane-d4 (S)	%			93	70-130	
4-Bromofluorobenzene (S)	%			95	70-130	
Toluene-d8 (S)	%			97	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2406197

Parameter	Units	2610478024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	.08	0.080	100	70-130	
1,1,1-Trichloroethane	mg/L	ND	.08	0.081	101	70-130	
1,1,2,2-Tetrachloroethane	mg/L	ND	.08	0.078	97	70-130	
1,1,2-Trichloroethane	mg/L	ND	.08	0.082	100	70-130	
1,1-Dichloroethane	mg/L	ND	.08	0.074	91	70-130	
1,1-Dichloroethene	mg/L	0.37	.08	0.43	80	70-166	
1,1-Dichloropropene	mg/L	ND	.08	0.079	98	70-130	
1,2,3-Trichlorobenzene	mg/L	ND	.08	0.075	94	70-130	
1,2,3-Trichloropropane	mg/L	ND	.08	0.079	99	70-130	
1,2,4-Trichlorobenzene	mg/L	ND	.08	0.081	101	70-130	
1,2-Dibromo-3-chloropropane	mg/L	ND	.08	0.074	93	70-130	
1,2-Dibromoethane (EDB)	mg/L	ND	.08	0.080	100	70-130	
1,2-Dichlorobenzene	mg/L	ND	.08	0.083	103	70-130	
1,2-Dichloroethane	mg/L	ND	.08	0.077	97	70-130	
1,2-Dichloropropane	mg/L	ND	.08	0.078	98	70-130	
1,3-Dichlorobenzene	mg/L	ND	.08	0.082	102	70-130	
1,3-Dichloropropane	mg/L	ND	.08	0.082	102	70-130	
1,4-Dichlorobenzene	mg/L	ND	.08	0.082	103	70-130	
2,2-Dichloropropane	mg/L	ND	.08	0.077	97	70-130	
2-Butanone (MEK)	mg/L	ND	.16	0.15	92	70-130	
2-Chlorotoluene	mg/L	ND	.08	0.079	98	70-130	
2-Hexanone	mg/L	ND	.16	0.15	95	70-130	
4-Chlorotoluene	mg/L	ND	.08	0.079	98	70-130	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	.16	0.14	90	70-130	
Acetone	mg/L	ND	.16	0.15	93	70-130	
Benzene	mg/L	ND	.08	0.079	98	70-148	
Bromobenzene	mg/L	ND	.08	0.083	104	70-130	
Bromochloromethane	mg/L	ND	.08	0.085	106	70-130	
Bromodichloromethane	mg/L	ND	.08	0.077	97	70-130	
Bromoform	mg/L	ND	.08	0.074	92	70-130	
Bromomethane	mg/L	ND	.08	0.064	80	70-130	
Carbon tetrachloride	mg/L	ND	.08	0.081	101	70-130	
Chlorobenzene	mg/L	ND	.08	0.083	104	70-146	
Chloroethane	mg/L	ND	.08	0.069	86	70-130	
Chloroform	mg/L	ND	.08	0.081	101	70-130	
Chloromethane	mg/L	ND	.08	0.050	63	70-130	M1
cis-1,2-Dichloroethene	mg/L	ND	.08	0.078	96	70-130	
cis-1,3-Dichloropropene	mg/L	ND	.08	0.078	98	70-130	
Dibromochloromethane	mg/L	ND	.08	0.082	103	70-130	
Dibromomethane	mg/L	ND	.08	0.082	102	70-130	
Dichlorodifluoromethane	mg/L	ND	.08	0.029	36	70-130	M1
Diisopropyl ether	mg/L	ND	.08	0.071	89	70-130	
Ethylbenzene	mg/L	ND	.08	0.082	102	70-130	
Hexachloro-1,3-butadiene	mg/L	ND	.08	0.082	102	70-130	
m&p-Xylene	mg/L	ND	.16	0.16	102	70-130	
Methyl-tert-butyl ether	mg/L	ND	.08	0.075	93	70-130	
Methylene Chloride	mg/L	ND	.08	0.067	83	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

MATRIX SPIKE SAMPLE: 2406197

Parameter	Units	2610478024 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Naphthalene	mg/L	ND	.08	0.078	97	70-130	
o-Xylene	mg/L	ND	.08	0.083	104	70-130	
p-Isopropyltoluene	mg/L	ND	.08	0.082	103	70-130	
Styrene	mg/L	ND	.08	0.080	100	70-130	
Tetrachloroethene	mg/L	ND	.08	0.080	100	70-130	
Toluene	mg/L	ND	.08	0.082	100	70-155	
trans-1,2-Dichloroethene	mg/L	ND	.08	0.078	97	70-130	
trans-1,3-Dichloropropene	mg/L	ND	.08	0.074	92	70-130	
Trichloroethene	mg/L	ND	.08	0.088	107	69-151	
Trichlorofluoromethane	mg/L	ND	.08	0.073	92	70-130	
Vinyl acetate	mg/L	ND	.16	0.16	102	70-130	
Vinyl chloride	mg/L	ND	.08	0.065	81	70-130	
Xylene (Total)	mg/L	ND	.24	0.25	103	70-130	
1,2-Dichloroethane-d4 (S)	%				91	70-130	
4-Bromofluorobenzene (S)	%				98	70-130	
Toluene-d8 (S)	%				98	70-130	

SAMPLE DUPLICATE: 2406196

Parameter	Units	2610478023 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,1-Trichloroethane	mg/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	mg/L	ND	ND		30	
1,1,2-Trichloroethane	mg/L	ND	.002J		30	
1,1-Dichloroethane	mg/L	ND	ND		30	
1,1-Dichloroethene	mg/L	0.33	0.34	1	30	
1,1-Dichloropropene	mg/L	ND	ND		30	
1,2,3-Trichlorobenzene	mg/L	ND	ND		30	
1,2,3-Trichloropropane	mg/L	ND	ND		30	
1,2,4-Trichlorobenzene	mg/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	mg/L	ND	ND		30	
1,2-Dibromoethane (EDB)	mg/L	ND	ND		30	
1,2-Dichlorobenzene	mg/L	ND	ND		30	
1,2-Dichloroethane	mg/L	ND	ND		30	
1,2-Dichloropropane	mg/L	ND	ND		30	
1,3-Dichlorobenzene	mg/L	ND	ND		30	
1,3-Dichloropropane	mg/L	ND	ND		30	
1,4-Dichlorobenzene	mg/L	ND	ND		30	
2,2-Dichloropropane	mg/L	ND	ND		30	
2-Butanone (MEK)	mg/L	ND	ND		30	
2-Chlorotoluene	mg/L	ND	ND		30	
2-Hexanone	mg/L	ND	ND		30	
4-Chlorotoluene	mg/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	ND		30	
Acetone	mg/L	ND	ND		30	

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REPORT OF LABORATORY ANALYSIS

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

SAMPLE DUPLICATE: 2406196

Parameter	Units	2610478023 Result	Dup Result	RPD	Max RPD	Qualifiers
Benzene	mg/L	ND	ND		30	
Bromobenzene	mg/L	ND	ND		30	
Bromochloromethane	mg/L	ND	ND		30	
Bromodichloromethane	mg/L	ND	ND		30	
Bromoform	mg/L	ND	ND		30	
Bromomethane	mg/L	ND	ND		30	
Carbon tetrachloride	mg/L	ND	ND		30	
Chlorobenzene	mg/L	ND	ND		30	
Chloroethane	mg/L	ND	ND		30	
Chloroform	mg/L	ND	ND		30	
Chloromethane	mg/L	ND	ND		30	
cis-1,2-Dichloroethene	mg/L	ND	ND		30	
cis-1,3-Dichloropropene	mg/L	ND	ND		30	
Dibromochloromethane	mg/L	ND	ND		30	
Dibromomethane	mg/L	ND	ND		30	
Dichlorodifluoromethane	mg/L	ND	ND		30	
Diisopropyl ether	mg/L	ND	ND		30	
Ethylbenzene	mg/L	ND	ND		30	
Hexachloro-1,3-butadiene	mg/L	ND	ND		30	
m&p-Xylene	mg/L	ND	ND		30	
Methyl-tert-butyl ether	mg/L	ND	ND		30	
Methylene Chloride	mg/L	ND	ND		30	
Naphthalene	mg/L	ND	ND		30	
o-Xylene	mg/L	ND	ND		30	
p-Isopropyltoluene	mg/L	ND	ND		30	
Styrene	mg/L	ND	ND		30	
Tetrachloroethene	mg/L	ND	ND		30	
Toluene	mg/L	ND	.0018J		30	
trans-1,2-Dichloroethene	mg/L	ND	ND		30	
trans-1,3-Dichloropropene	mg/L	ND	ND		30	
Trichloroethene	mg/L	ND	.0027J		30	
Trichlorofluoromethane	mg/L	ND	ND		30	
Vinyl acetate	mg/L	ND	ND		30	
Vinyl chloride	mg/L	ND	ND		30	
Xylene (Total)	mg/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	93	91	3		
4-Bromofluorobenzene (S)	%	96	94	2		
Toluene-d8 (S)	%	99	100	0		

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REPORT OF LABORATORY ANALYSIS

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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 436978 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 2610478001, 2610478002, 2610478003, 2610478004, 2610478005, 2610478006, 2610478007, 2610478008, 2610478009, 2610478010, 2610478011, 2610478012, 2610478013, 2610478014, 2610478015, 2610478016, 2610478017

METHOD BLANK: 2403892 Matrix: Water
Associated Lab Samples: 2610478001, 2610478002, 2610478003, 2610478004, 2610478005, 2610478006, 2610478007, 2610478008, 2610478009, 2610478010, 2610478011, 2610478012, 2610478013, 2610478014, 2610478015, 2610478016, 2610478017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	ND	0.0020	10/18/18 14:47	
1,2-Dichloroethane-d4 (S)	%	105	50-150	10/18/18 14:47	
Toluene-d8 (S)	%	123	50-150	10/18/18 14:47	

LABORATORY CONTROL SAMPLE: 2403893

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	.02	0.020	99	71-125	
1,2-Dichloroethane-d4 (S)	%			108	50-150	
Toluene-d8 (S)	%			125	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2403894 2403895

Parameter	Units	2610478001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	mg/L	ND	.02	.02	0.020	0.021	98	103	50-150	5	30	
1,2-Dichloroethane-d4 (S)	%						106	109	50-150		30	
Toluene-d8 (S)	%						113	126	50-150		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 436983 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 2610478018, 2610478019, 2610478020, 2610478021, 2610478022

METHOD BLANK: 2403907 Matrix: Water
Associated Lab Samples: 2610478018, 2610478019, 2610478020, 2610478021, 2610478022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	ND	0.0020	10/18/18 14:28	
1,2-Dichloroethane-d4 (S)	%	106	50-150	10/18/18 14:28	
Toluene-d8 (S)	%	126	50-150	10/18/18 14:28	

LABORATORY CONTROL SAMPLE: 2403908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	.02	0.020	102	71-125	
1,2-Dichloroethane-d4 (S)	%			103	50-150	
Toluene-d8 (S)	%			121	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2403909 2403910

Parameter	Units	50207844001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	mg/L	ND	.02	.02	0.020	0.021	98	105	50-150	7	30	
1,2-Dichloroethane-d4 (S)	%						108	109	50-150		30	
Toluene-d8 (S)	%						119	128	50-150		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA

Project: GDOT Jesup
Pace Project No.: 2610478

QC Batch: 437232 Analysis Method: EPA 8260B Mod.
QC Batch Method: EPA 8260B Mod. Analysis Description: 8260 MSV SIM
Associated Lab Samples: 2610478023, 2610478024, 2610478025, 2610478029

METHOD BLANK: 2404846 Matrix: Water
Associated Lab Samples: 2610478023, 2610478024, 2610478025, 2610478029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	ND	0.0020	10/19/18 13:16	
1,2-Dichloroethane-d4 (S)	%	107	50-150	10/19/18 13:16	
Toluene-d8 (S)	%	121	50-150	10/19/18 13:16	

LABORATORY CONTROL SAMPLE: 2404847

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dioxane (p-Dioxane)	mg/L	.02	0.021	105	71-125	
1,2-Dichloroethane-d4 (S)	%			107	50-150	
Toluene-d8 (S)	%			120	50-150	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2404848 2404849

Parameter	Units	92403651002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,4-Dioxane (p-Dioxane)	mg/L	ND	.02	.02	0.020	0.020	98	98	50-150	0	30	
1,2-Dichloroethane-d4 (S)	%						107	104	50-150		30	
Toluene-d8 (S)	%						124	121	50-150		30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALIFIERS

Project: GDOT Jesup
Pace Project No.: 2610478

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-GA	Pace Analytical Services - Atlanta, GA

WORKORDER QUALIFIERS

WO: 2610478

[1]	10/24/2018: Report was revised to update units to mg/L per client request.

ANALYTE QUALIFIERS

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.

Pace Analytical Services, LLC
110 Technology Parkway
Peachtree Corners, GA 30092
(770)734-4200

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GDOT Jesup
Pace Project No.: 2610478

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2610478013	**MW-7D**	EPA 3005A	15491	EPA 6020B	15544
2610478001	**MW-1**	EPA 8260B	436918		
2610478002	**MW-1A**	EPA 8260B	436918		
2610478003	**MW-1B**	EPA 8260B	436918		
2610478004	**MW-2**	EPA 8260B	436918		
2610478005	**MW-2A**	EPA 8260B	436918		
2610478006	**MW-3A**	EPA 8260B	437517		
2610478007	**MW-3E**	EPA 8260B	437065		
2610478008	**MW-6**	EPA 8260B	436918		
2610478009	**MW-6A**	EPA 8260B	436918		
2610478010	**MW-6E**	EPA 8260B	436918		
2610478011	**MW-7**	EPA 8260B	436918		
2610478012	**MW-7A**	EPA 8260B	436918		
2610478013	**MW-7D**	EPA 8260B	437517		
2610478014	**MW-9**	EPA 8260B	437039		
2610478015	**MW-9A**	EPA 8260B	437517		
2610478016	**MW-15E**	EPA 8260B	437039		
2610478017	**MW-17**	EPA 8260B	437039		
2610478018	**MW-20**	EPA 8260B	437039		
2610478019	**MW-21**	EPA 8260B	437039		
2610478020	**MW-22**	EPA 8260B	437039		
2610478021	**MW-23**	EPA 8260B	437039		
2610478022	**MW-23A**	EPA 8260B	437039		
2610478023	**MW-25**	EPA 8260B	437570		
2610478024	**MW-25A**	EPA 8260B	437570		
2610478025	**MW-26**	EPA 8260B	437039		
2610478026	**Equipment Blank #1**	EPA 8260B	436918		
2610478027	**Equipment Blank #2**	EPA 8260B	437517		
2610478028	**Equipment Blank #3**	EPA 8260B	436918		
2610478029	**Trip Blank**	EPA 8260B	436918		
2610478030	**Sludge Water**	EPA 8260B	437570		
2610478001	**MW-1**	EPA 8260B Mod.	436978		
2610478002	**MW-1A**	EPA 8260B Mod.	436978		
2610478003	**MW-1B**	EPA 8260B Mod.	436978		
2610478004	**MW-2**	EPA 8260B Mod.	436978		
2610478005	**MW-2A**	EPA 8260B Mod.	436978		
2610478006	**MW-3A**	EPA 8260B Mod.	436978		
2610478007	**MW-3E**	EPA 8260B Mod.	436978		
2610478008	**MW-6**	EPA 8260B Mod.	436978		
2610478009	**MW-6A**	EPA 8260B Mod.	436978		
2610478010	**MW-6E**	EPA 8260B Mod.	436978		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GDOT Jesup
Pace Project No.: 2610478

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2610478011	**MW-7**	EPA 8260B Mod.	436978		
2610478012	**MW-7A**	EPA 8260B Mod.	436978		
2610478013	**MW-7D**	EPA 8260B Mod.	436978		
2610478014	**MW-9**	EPA 8260B Mod.	436978		
2610478015	**MW-9A**	EPA 8260B Mod.	436978		
2610478016	**MW-15E**	EPA 8260B Mod.	436978		
2610478017	**MW-17**	EPA 8260B Mod.	436978		
2610478018	**MW-20**	EPA 8260B Mod.	436983		
2610478019	**MW-21**	EPA 8260B Mod.	436983		
2610478020	**MW-22**	EPA 8260B Mod.	436983		
2610478021	**MW-23**	EPA 8260B Mod.	436983		
2610478022	**MW-23A**	EPA 8260B Mod.	436983		
2610478023	**MW-25**	EPA 8260B Mod.	437232		
2610478024	**MW-25A**	EPA 8260B Mod.	437232		
2610478025	**MW-26**	EPA 8260B Mod.	437232		
2610478029	**Trip Blank**	EPA 8260B Mod.	437232		

CHAIN OF CUSTODY RECORD

Pace Analytical
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Pace Analytical Services, LLC - Atlanta GA
110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092
(770) 734-4200 : FAX (770) 734-4201

CLIENT NAME: S&ME inc.

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 3380 Town Point Drive Suite 140 (770-919-0960 PM#) Kennesaw, GA 30144 (770-919-2360 Fax#)

REPORT TO: Mary Stacy

CC: -

REQUESTED COMPLETION DATE:

PO #: 4468-14-083A

PROJECT NAME/STATE: GDOT Jesup Jesup, GA

PROJECT #: 4468-14-083A

ANALYSIS REQUESTED

Collection DATE	Collection TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	VOCs 8260	1,4-Dioxane 8260	LAB ID NUMBER
					CONTAINER TYPE:		Y	Y	
					PRESERVATION:		1	1	
10/9/18	1238	GW		X	mw-1	6	X	X	
10/9/18	1626				mw-1A				
10/10/18	0813				mw-1B				
10/10/18	1100				mw-2				
10/10/18	1300				mw-2A				
10/11/18	1455				mw-3A				
10/11/18	1500				mw-3E				
10/9/18	0946				mw-6				
10/9/18	1103				mw-6A				
10/11/18	1710				mw-6E				
10/10/18	0935				mw-7				
10/10/18	0823	↓		↓	mw-7A	↓	↓	↓	

CONTAINER TYPE	PRESERVATION
P - PLASTIC	1 - HCl, ≤6°C
A - AMBER GLASS	2 - H_2SO_4, ≤6°C
G - CLEAR GLASS	3 - HNO_3
V - VOA VIAL	4 - NaOH, ≤6°C
S - STERILE	5 - NaOH/ZnAc, ≤6°C
O - OTHER	6 - $Na_2S_2O_3$, ≤6°C
	7 - ≤6°C not frozen

*MATRIX CODES:

DW - DRINKING WATER	S - SOIL
WW - WASTEWATER	SL - SLUDGE
GW - GROUNDWATER	SD - SOLID
SW - SURFACE WATER	A - AIR
ST - STORM WATER	L - LIQUID
W - WATER	P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

WO# : 2610478

2610478

SAMPLED BY AND TITLE: Michael Hersey (PM)

DATE/TIME: 10/11/18 1730

RELINQUISHED BY: Michael Hersey

DATE/TIME: 10/15/18 0900

RECEIVED BY: Mike Nguyen

DATE/TIME: 10/15/18 1240

RELINQUISHED BY:

DATE/TIME:

RECEIVED BY/LAB: M Zalman

DATE/TIME: 10/15/18 1510

SAMPLE SHIPPED VIA: UPS FED-EX USPS COURIER Pace CLIENT OTHER FS

Custody Seal: Intact Broken Not Present N/A

# of Coolers:

Cooler ID:

pH checked: Yes No NA

Ice: Yes No NA

Temperature: Min: 4.3 Max:

FOR LAB USE ONLY

LAB #:

Entered into LIMS:

Tracking #:

CHAIN OF CUSTODY RECORD

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Pace Analytical Services, LLC - Atlanta GA
110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092
(770) 734-4200 : FAX (770) 734-4201

CLIENT NAME: S&ME Inc.

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER:
3380 Town Point Drive Suite 140 (770-919-0999 PH#)
Kennesaw, GA 30144 (770-919-2360 FAX#)

REPORT TO: Mary Stacy | CC:

REQUESTED COMPLETION DATE: | PO #: 4468-14-083A

PROJECT NAME/STATE:
GDOT Jesup Jesup, GA

PROJECT #: 4468-14-083A

ANALYSIS REQUESTED

Collection DATE	Collection TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	VOC 8260 (V)	1,4-Dioxane 8260 (V)	Lead 6010 (P)	LAB ID NUMBER
					CONTAINER TYPE:		V	V	P	
					PRESERVATION:		1	1	3	
10/10/18	1514	GW		X	MW-7D	7	X	X	X	
10/9/18	1035				MW-9	6				
10/9/18	1240				MW-9A					
10/11/18	0830				MW-15E					
10/11/18	1617				MW-17					
10/10/18	1045				MW-20					
10/10/18	0926				MW-21					
10/11/18	1045				MW-22					
10/10/18	1138				MW-23					
10/10/18	1337				MW-23A					
10/11/18	0940				MW-25					
10/11/18	0900	↓		↓	MW-25A	↓	↓	↓	↓	

LAB ID NUMBER

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, ≤6°C; 2 - H_2SO_4, ≤6°C; 3 - HNO_3; 4 - NaOH, ≤6°C; 5 - NaOH/ZnAc, ≤6°C; 6 - $Na_2S_2O_3$, ≤6°C; 7 - ≤6°C not frozen

*MATRIX CODES:
DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SD - SOLID; A - AIR; L - LIQUID; P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

WO#: 2610478
PM: EDB Due Date: 10/22/18
CLIENT: S&MEKennesaw

SAMPLED BY AND TITLE: Michael Hersey (PC)	DATE/TIME: 10/11/18 1730	RELINQUISHED BY: Michael Hersey	DATE/TIME: 10/15/18 0900
RECEIVED BY: Mike Nguyen	DATE/TIME: 10/15/18 1240	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Malman	DATE/TIME: 10/15/18 1510	SAMPLE SHIPPED VIA: UPS FED-EX USPS COURIER Pace CLIENT OTHER FS	
Ice checked: Yes No NA	Ice: Yes No NA	Temperature: Min: 4.3 Max:	Custody Seal: Intact Broken Not Present N/A
# of Coolers	Cooler ID:		

FOR LAB USE ONLY
LAB #:
Entered into LIMS:
Tracking #:

CHAIN OF CUSTODY RECORD

Pace Analytical
www.pacelabs.com

Pace Analytical Services, LLC - Atlanta GA
110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092
(770) 734-4200 : FAX (770) 734-4201

CLIENT NAME: S&ME Inc.

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 3380 Town Point Drive Suite 140 (770-919-0969 PM#) Kennesaw, GA 30144 (770-919-2360 Fax#)

REPORT TO: Mary Stacy CC:

REQUESTED COMPLETION DATE: PO #: 4468-14-083A

PROJECT NAME/STATE: GDOT Jesup Jesup, GA

PROJECT #: 4468-14-083A

ANALYSIS REQUESTED

Collection DATE	Collection TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	VOC's 8260	1,4-Dioxane 8260
					CONTAINER TYPE:		V	V
					PRESERVATION:		1	1
10/11/18	1010	GW			MW-26	6	X	X
10/10/18	1400	W			Equipment Blank #1	3	X	
10/11/18	1055	W			Equipment Blank #2	3	X	
10/11/18	1105	W			Equipment Blank #3	3	X	
10/11/18	1730	W			Trip Blank	3	X	
10/11/18	1730	SL			Sludge Water	3	X	
10/11/18	1730	W			Temp Blank	1	X	

LAB ID NUMBER

CONTAINER TYPE
P - PLASTIC
A - AMBER GLASS
G - CLEAR GLASS
V - VOA VIAL
S - STERILE
O - OTHER

PRESERVATION
1 - HCl, ≤6°C
2 - H_2SO_4, ≤6°C
3 - HNO_3
4 - NaOH, ≤6°C
5 - NaOH/ZnAc, ≤6°C
6 - $Na_2S_2O_3$, ≤6°C
7 - ≤6°C not frozen

*MATRIX CODES:
DW - DRINKING WATER
WW - WASTEWATER
GW - GROUNDWATER
SW - SURFACE WATER
ST - STORM WATER
W - WATER
S - SOIL
SL - SLUDGE
SD - SOLID
A - AIR
L - LIQUID
P - PRODUCT

REMARKS/ADDITIONAL INFORMATION

WO#: 2610478
PM: EDB Due Date: 10/22/18
CLIENT: S&MEKennesaw

SAMPLED BY AND TITLE: Michael Hersey (PL)	DATE/TIME: 10/11/18 1730	RELINQUISHED BY: Michael Hersey	DATE/TIME: 10/15/18 0900
RECEIVED BY: Mike Nguyen	DATE/TIME: 10/15/18 1240	RELINQUISHED BY:	DATE/TIME:
RECEIVED BY LAB: Pace	DATE/TIME: 10/15/18 1510	SAMPLE SHIPPED VIA: UPS FED-EX USPS COURIER CLIENT OTHER FS	FOR LAB USE ONLY LAB #:
pH checked: Yes No NA	Ice: Yes No NA	Temperature: Min: 4.3 Max:	Custody Seal: Intact Broken Not Present N/A
# of Coolers	Cooler ID:		Entered into LIMS: Tracking #:

Sample Condition Upon Receipt

Pace Analytical

Client Name: S+ME

Project #

WO#: 2610478

PM: EDB Due Date: 10/22/18

CLIENT: S&MEKennesaw

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other

Tracking #:

Custody Seal on Cooler/Box Present: ☑ yes ☐ no Seals intact: ☑ yes ☐

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Thermometer Used 83 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.3 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 10/15/18 MR

Comments:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.	
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.	
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.	
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.	
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.	
Short Hold Time Analysis (<72hr):	☐Yes ☑No ☐N/A	6.	
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.	
Sufficient Volume:	☑Yes ☐No ☐N/A	8.	
Correct Containers Used:	☑Yes ☐No ☐N/A	9.	
-Pace Containers Used:	☑Yes ☐No ☐N/A		
Containers Intact:	☑Yes ☐No ☐N/A	10.	
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.	
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.	
-Includes date/time/ID/Analysis Matrix: GW			
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	☑Yes ☐No ☐N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.	
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.	
Trip Blank Present:	☑Yes ☐No ☐N/A	16.	
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: **Date:**

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)