THE FOLOWING REPORT IS FOR "INFORMATION PURPOSES ONLY" AND INCLUDES THE FOLLOWING DISCLAIMER

Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the accuracy of the Technical Data expressly identified in the Supplementary Conditions with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely
upon the accuracy of the Technical Data (as defined in Article 1) contained in any geotechnical or environmental report prepared for the Project and made available to Contractor. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1) the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
2) other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
3) any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information.

PHASE II
ENVIRONMENTAL SITE INVESTIGATION

Clarkston Streetscape Improvements
GDOT PI No. 0007613
East Ponce de Leon Avenue, Market Street, and Norman Road
Willmer Site No. 12
Clarkston, DeKalb County, Georgia 30058

Submitted to:
AMEC Environment & Infrastructure, Inc.
Kennesaw, Georgia

Submitted by:
Willmer Engineering Inc.
Project No. ATL-74.3993.802

WILLMER
Engineering

March 9, 2017

Mr. Greg Myers
Program Manager
AMEC Environment & Infrastructure, Inc.
1070 Big Shanty Road NW
Suite 100
Kennesaw, GA, 30144

SUBJECT: **Report Phase II Environmental Site Investigation**
Clarkston Streetscape Improvements
GDOT PI No. 0007613
East Ponce de Leon Avenue, Market Street and Norman Road
Willmer Site No. 12
Clarkston, DeKalb County, Georgia 30058
Willmer Project No. ATL-74.3993.802

Dear Mr. Myers,

Willmer Engineering Inc. (Willmer) submits per GDOT's request of March 1, 2017 the following summary of work conducted and reported at Willmer Site No. 12 from our above-referenced report. The site is identified as Ni's Auto Repair located at 3666 Market Street, Clarkston, Georgia. This summary was requested by GDOT after review of our draft report. We understand that GDOT requests this summary for reporting to the Georgia Department of Natural Resources, Environmental Protection Division for their review and guidance regarding any further sampling and testing they may determine is required.

The following information is attached for their review:

- Pertinent text describing the results of sampling and testing at Willmer Site Number 12
- Boring Location Plan
- Boring Summary
- Boring Log Summaries
- Laboratory Analytical Results

Please feel free to contact me at 770.939.9904 if any further information is required.

Sincerely,

WILLMER ENGINEERING INC

Doris I. Willmer, PE

Doris I. Willmer, PE, LEED® AP
President/Principal Consultant

Willmer Site No. 12: Ni's Auto Repair – UST

Three borings, 12-1 to 12-3, were advanced at Site No. 12 along East Ponce de Leon Avenue. Borings 12-1 and 12-3 were terminated at 20 feet bgs. Boring 12-2 refused at a depth of 3 feet bgs, however, due to nearby underground utilities, no suitable location was available to offset this boring. Field screening by PID detected the slight presence of VOCs in one deep soil sample from boring 12-1. No presence of VOCs in any soil sample screened in the field using the PID was found in any of the other soil samples taken from boring 12-1 or from any of the soil samples taken from borings 12-2 and 12-3.

Laboratory analyses identified only the TPH-DRO constituent concentration level above the detection limit of 10 mg/kg in the sample from boring 12-2. Laboratory analyses confirm all constituent concentration levels in the soil samples selected from borings 12-1 and 12-3 are BQL.

UST Sites Only - Willmer Site No. 12 – Ni's Auto Repair

- A concentration of TPH-DRO of 22.9 mg/kg, which is above the regulatory detection limit of 10 mg/kg for TPH-DRO as listed in the UST guidance document, Table 2: Detection Limits was reported in boring 12-2. This result must be reported to the GA EPD, USTMP since any detectable quantity above the limit is reportable.

TABLES

Table 1
Documented Findings from EDR Report and Field Reconnaissance
Clarkston Streetscape Improvements
GDOT PI No. 0007613
Willmer Project No. 74.3993.801
Page 1 of 1

Willmer Site No.	Notification Source	Site Name/ EDR No.	Site Address	Tax Map ID or Owner	Concern	Comments	EPD Status	Further Investigation Required
12	FIELD VISIT	Ni's Auto Repair 404-292-6990	3666 Market Street Clarkston, GA 30021	Ty Cu Duong Tu Thi Nguyen 3666 Market Street Clarkston GA, 30021	LUST / UST	Two roll up doors adjacent to Market Street were observed during field reconnaissance. On the interior, 55 gallon metal drums (contents unknown) and car repair tools were noted on the interior.	Not Listed	Yes

Prepared By: DW Date: 10/08/14
Reviewed By: DW Date: 10/08/14
Approved By: JW Date: 10/16/14

Notes:
[1] UST – Underground Storage Tank
[2] LUST – Leaking Underground Storage Tank
[3] RGA LUST – Recovered Government Archives LUST
[4] AST – Aboveground Storage Tank
[5] HZW – Hazardous Waste
[6] NA – Not Applicable
[7] NFA – No Further Action
[8] NOT LISTED – Not Listed on EPD UST and LUST Listings

Table ESI-1
Phase II ESI Constituent Concentrations and Regulatory Standards
Clarkston Streetscape Improvements
GDOT PI No. 0007613
Willmer Project No. 74.3993.802

Willmer Site No.	Classification	Boring No.	Constituent	Concentration mg/kg[1]	UST Closure Report Guidance Document		Appendix I Trigger Notification Concentration[4] mg/kg
					Table 2[2] mg/kg	Table A[3] mg/kg	
2	HZW[5]	2-1	Barium	171	NA[9]	NA	500
			Cadmium	1.41			39.00
			Lead	11.7			400.00
		2-2	Barium	117	NA	NA	500
			Lead	9.12			400.00
4	UST[6] / HZW	4-1	Barium	310	NL[10]	NL	500
			Cadmium	1.40	NL	NL	39.00
			Chromium	122	NL	NL	1200.00
			Lead	15.2	NL	NL	400.00
			Acetone	0.0787	NL	NL	2.74
		4-2	Barium	160	NL	NL	500
			Chromium	52.4	NL	NL	1200.00
			Lead	10.8	NL	NL	400.00
		4-3	Barium	62.2	NL	NL	500
			Cadmium	1.54	NL	NL	39.00
			Chromium	41.4	NL	NL	1200.00
			Lead	17.1	NL	NL	400.00
5	HZW / AST[7]	5-1	Barium	216	NL	NL	500
			Cadmium	1.22	NL	NL	39.00
			Chromium	43.4	NL	NL	1200.00
			Lead	9.20	NL	NL	400.00
6 / 7	UST / HZW	6-1	Arsenic	9.52	NL	NL	41.00
			Barium	62.4	NL	NL	500
			Chromium	48.0	NL	NL	1200.00
			Lead	12.5	NL	NL	400.00
		6-2	Barium	56.0	NL	NL	500
			Cadmium	1.63	NL	NL	39.00
			Chromium	170	NL	NL	1200.00
			Lead	10.6	NL	NL	400.00
8	UST / HZW	8-1	Barium	91.5	NL	NL	500
			Cadmium	1.15	NL	NL	39.00
			Lead	11.5	NL	NL	400.00
		8-2	Barium	309	NL	NL	500
			Cadmium	1.27	NL	NL	39.00
			Chromium	85.2	NL	NL	1200.00
			Lead	10.8	NL	NL	400.00
		8-3	Barium	155	NL	NL	500
			Chromium	15.8	NL	NL	1200.00
			Lead	11.1	NL	NL	400.00
9	UST	9-2	TPH-DRO	6.15	10.00	NA	NA
10	HZW	10-1	Barium	102	NA	NA	500
			Chromium	9.50			1200.00
			Lead	19.8			400.00
		10-2	Barium	117	NA	NA	500
			Chromium	53.8			1200.00
			Lead	24.5			400.00
11	UST / HZW	11-1	Barium	59.5	NL	NL	500
			Lead	15.1	NL	NL	400.00
		11-2	Barium	92.7	NL	NL	500
			Chromium	16.5	NL	NL	1200.00
			Lead	19.9	NL	NL	400.00
12	UST	12-2	**TPH-DRO**	**22.9**	10.00	NA	NA

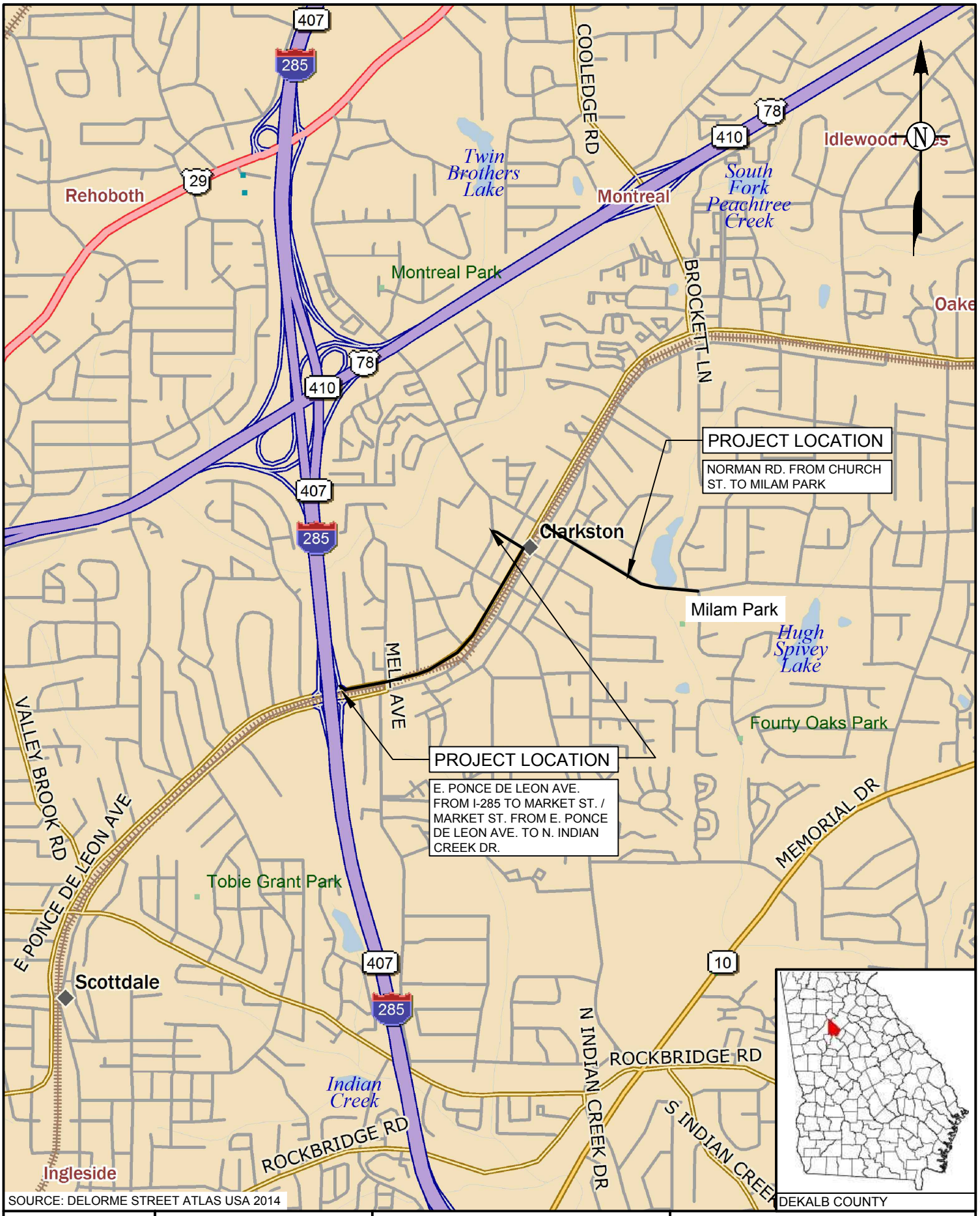
Table ESI-1
Phase II ESI Constituent Concentrations and Regulatory Standards
Clarkston Streetscape Improvements
GDOT PI No. 0007613
Willmer Project No. 74.3993.802

Willmer Site No.	Classification	Boring No.	Constituent	Concentration mg/kg[1]	UST Closure Report Guidance Document		Appendix I Trigger Notification Concentration[4] mg/kg
					Table 2[2] mg/kg	Table A[3] mg/kg	
N1	HZW	N1-1	Barium Cadmium	77.1 1.28	NA	NA	500 39.00
		N1-2	Barium Chromium	221 20.8	NA	NA	500 1200.00
		N1-3	Barium Chromium Lead	103 9.49 63.2	NA	NA	500 1200.00 400.00
		N1-4	Barium Lead	18.1 12.5	NA	NA	500 400.00

Notes:
Shaded constituents are above applicable regulatory limits.
[1] mg/kg = milligrams per kilogram
[2] Georgia EPD USTMP, *UST Closure Report Guidance Document,* revised January 2012, Table 2 Detection Limit
[3] Georgia EPD USTMP, *UST Closure Report Guidance Document,* revised January 2012, Table A, Lower Pollution Ground Water Susceptibility ≤500 Feet, Soil Threshold Levels
[4] Georgia EPD, Chapter 391-3-19, *Hazardous Site Response, Appendix I Regulated Substances and Soil Concentrations that Trigger Notification*
[5] HZW = Hazardous Waste Site
[6] UST = Underground Storage Tank
[7] AST = Aboveground Storage Tank
[8] TPH-DRO = Total Petroleum Hydrocarbons – Diesel Range Organics
[9] NA = Not Applicable
[10] NL = Not Listed

Prepared By: Joseph Sura, PE Date:1/26/2017
Reviewed By: Jenni DeKoker Date:1/27/2017
Approved By: Doris I. Willmer, PE Date:1/30/2017

FIGURE



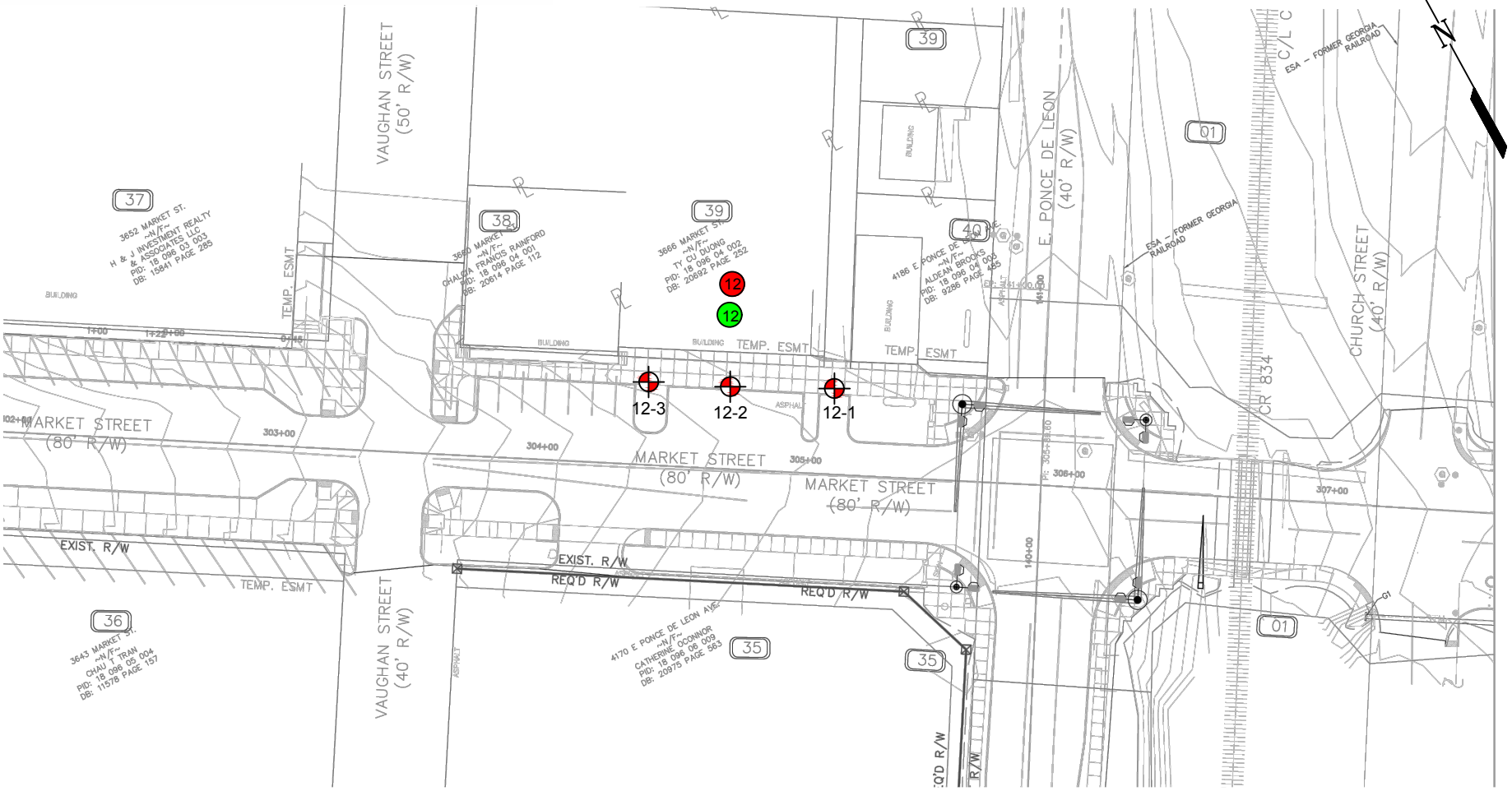
SOURCE: DELORME STREET ATLAS USA 2014

SCALE: 1" =2000' DATE: 1/17/2017 DRAWN BY: JE REVIEWED BY: JS	WILLMER Engineering	GEOTECHNICAL ENGINEERING CONSTRUCTION SERVICES ENVIRONMENTAL SERVICES AND ENGINEERING 3772 PLEASANTDALE ROAD - SUITE 165 ATLANTA, GA 30340-4270	FIGURE 1 PROJECT LOCATION MAP CLARKSTON STREETSCAPE IMPROVEMENTS PONCE DE LEON/N. MARKET/NORMAN RD. CLARKSTON, DEKALB COUNTY, GEORGIA, 30021 WILLMER PROJECT No. 74.3993.802

P:\3993 Clarkston Streetscape Impr-Mod Phase I\CADD\Project Location Map Phase II.dwg

APPENDIX I

WILLMER SITE No.: 12
CURRENT OCCUPANT: NI'S AUTO REPAIR
3666 MARKET STREET
MAP ID NO.: 39



LEGEND:

- BORING LOCATION (1-8)
- EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
- EASEMENT FOR CONSTR OF SLOPES
- EASEMENT FOR CONSTR OF DRIVES

SOURCE: BASE DRAWINGS PROVIDED TO WILLMER BY AMEC FOSTER WHEELER IN JANUARY 2017

LEGEND:

- (1) WILLMER SITE NO.
- UST FACILITY
- LUST FACILITY
- RGA-LUST FACILITY
- AST FACILITY
- HZW FACILITY
- SPILLS

SCALE: 1" = 60'	
DATE: 1/30/2017	
DRAWN BY: JE	
REVIEWED BY: JMS	

WILLMER Engineering

GEOTECHNICAL ENGINEERING ¤ CONSTRUCTION SERVICES
ENVIRONMENTAL SERVICES AND ENGINEERING
3772 PLEASANTDALE ROAD - SUITE 165
ATLANTA, GA 30340-4270

SHEET 11 OF 12
BORING LOCATION PLAN
CLARKSTON STREETSCAPE IMPROVEMENTS
PONCE DE LEON/N. MARKET/NORMAN - PI No. 0007613
CLARKSTON, DEKALB COUNTY, GEORGIA
WILLMER PROJECT No. 74.3993.802

P:\3993 Clarkston Streetscape Impr-Mod Phase I\CADD\0007613 DEKALB CLARKSTON STREETSCAPE\0007613 DEKALB CLARKSTON STREETSCAPE - Standard\Figure 2 Boring Location Map\Figure 2 Boring Location Map.dwg

Willmer Site No: 12
Site Name: Ni's Auto Repair – HZW
Address: 3666 Market Street
Clarkston, DeKalb County, Georgia 30058

Willmer Project No. 74.3993.802
Phase II Environmental Site Assessment
Clarkston Streetscape Improvements
GDOT PI No. 0007613
Project Sponsor: City of Clarkston
Clarkston, DeKalb County, Georgia 30058

Boring Summary

Boring Number	12-1	12-2
Northing	33.809706° N	33.809761° N
Easting	84.240075° E	84.240190° E
Depth of Boring	20' (termination)	3' (refusal)
Soil Type of Grab Sample	Brown silty SAND	Brown silty SAND
Groundwater Encountered (Depth)	--	--
Contamination Encountered (Description)	NA[1]	NA
Remarks		

Field Activities						Laboratory Analysis						
Boring ID	Date of Sampling	Sample Collection Time	Sample Depth Feet bgs[2]	PID[3] ppm[4]	Odor	Laboratory Sample Depth bgs	BTEX[5]		PAH[6]		TPH-GRO[7]	TPH-DRO[8]
							Analyte	Result mg/kg[9]	Analyte	Result mg/kg	Result mg/kg	Result mg/kg
12-1	12/9/2016	10:28	0 – 5	0	None	15-20'	All	BQL[10]	All	BQL	BQL	BQL
		10:32	5 – 10	0	None							
		10:35	10 – 15	0	None							
		10:37	15 – 20	0.05	None							
12-2	12/9/2016	10:52	0 – 3	0	None	0-3'	All	BQL	All	BQL	BQL	22.9

Notes:

[1] NA = Not Applicable
[2] bgs = below ground surface
[3] PID = Photoionization detector, Model MiniRAE 3000
[4] ppm = parts per million equivalent to milligrams per kilogram (mg/kg)
[5] BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes, analyzed using EPA Method 8260B
[6] PAH = Polynuclear Aromatic Hydrocarbons, analyzed using EPA Method 8270D
[7] TPH-GRO = Total Petroleum Hydrocarbons – Gasoline Range Organics, analyzed using US. EPA Method 8015
[8] TPH-DRO = Total Petroleum Hydrocarbons – Diesel Range Organics, analyzed using US. EPA Method 8015
[9] mg/kg = milligrams per kilogram
[10] BQL = Below Laboratory Practical Quantitation Limit

Prepared By: Joseph Sura, PE Date: 1/4/2017
Reviewed By: Jenni DeKoker Date: 1/13/2017
Approved By: Doris I. Willmer, PE Date: 1/18/2017

Willmer Site No: 12
Site Name: Ni's Auto Repair – UST
Address: 3666 Market Street
Clarkston, DeKalb County, Georgia 30058

Boring Summary

Boring Number	12-3
Northing	33.809798° N
Easting	84.240273° E
Depth of Boring	20' (termination)
Soil Type of Grab Sample	White/tan/brown silty SAND
Groundwater Encountered (Depth)	--
Contamination Encountered (Description)	NA[1]
Remarks	

Field Activities						Laboratory Analysis						
Boring ID	Date of Sampling	Sample Collection Time	Sample Depth Feet bgs[2]	PID[3] ppm[4]	Odor	Laboratory Sample Depth bgs	BTEX[5]		PAH[6]		TPH-GRO[7]	TPH-DRO[8]
							Analyte	Result mg/kg[9]	Analyte	Result mg/kg	Result mg/kg	Result mg/kg
12-3	12/9/2016	11:20	0 – 5	0	None	15-20'	All	BQL[10]	All	BQL	BQL	BQL
		11:24	5 – 10	0	None							
		11:26	10 – 15	0	None							
		11:30	15 – 20	0	None							

Notes:

[1] NA = Not Applicable
[2] bgs = below ground surface
[3] PID = Photoionization detector, Model MiniRAE 3000
[4] ppm = parts per million equivalent to milligrams per kilogram (mg/kg)
[5] BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes, analyzed using EPA Method 8260B
[6] PAH = Polynuclear Aromatic Hydrocarbons, analyzed using EPA Method 8270D
[7] TPH-GRO = Total Petroleum Hydrocarbons – Gasoline Range Organics, analyzed using US. EPA Method 8015
[8] TPH-DRO = Total Petroleum Hydrocarbons – Diesel Range Organics, analyzed using US. EPA Method 8015
[9] mg/kg = milligrams per kilogram
[10] BQL = Below Laboratory Practical Quantitation Limit

Prepared By: Joseph Sura, PE Date: 1/4/2017
Reviewed By: Jenni DeKoker Date: 1/13/2017
Approved By: Doris I. Willmer, PE Date: 1/18/2017

WILLMER Engineering

Project:	Clarkston Streetscape Improvements	**HOLE No. 12-1**	
Location:	Clarkston, DeKalb County, Georgia	Sheet 1 of 1	
Project Number:	PI.0007613 Willmer Project No. 74.3993.802	Location:	Willmer Site No. 12

Azimuth: -- Angle from Horizontal: 90 Surface Elevation (ft): NA Station: NA

Drilling Equipment: Geoprobe 5410 Drilling Method: Direct Push

Core Boxes: NA Samples: 1 Overburden (ft): NA Rock (ft): NA Total Depth (ft): 20.0

Logged By: Joseph Sura Date Drilled: 12/9/16

VERTICAL DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE	REC%	RQD %	MATERIAL DESCRIPTION	ELEVATION (feet)	STANDARD PENETRATION TEST DATA (blows/foot) 5 10 20 40 60 80	N-VALUE
					ASPHALT = 4" SM	NA		
					Brown silty SAND			
5								
					-becomes white/tan			
10								
					-becomes brown			
15		GRAB						
20					Boring was terminated at 20 feet below the existing ground surface.			
					No groundwater was encountered at the time of boring completion.			
25					Grab sample collected at 15-20 feet at 10:37 am.			
30								
35								
40								

SAMPLER TYPE

SS - Split Spoon
ST - Shelby Tube
NQ - Rock Core, 1-7/8"
NX - Rock Core, 2-1/8"
CU - Cuttings
CT - Continuous Tube

DRILLING METHOD

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
RW - Rotary Wash
RC - Rock Core

Hole No. 12-1

SPTN GINT STD US.GPJ 1/31/17

WILLMER Engineering

Project: **Clarkston Streetscape Improvements**	**HOLE No. 12-2**
Location: **Clarkston, DeKalb County, Georgia**	Sheet 1 of 1
Project Number: **PI.0007613** **Willmer Project No. 74.3993.802**	Location: **Willmer Site No. 12**

Azimuth: **--** Angle from Horizontal: **90** Surface Elevation (ft): **NA** Station: **NA**

Drilling Equipment: **Geoprobe 5410** Drilling Method: **Direct Push**

Core Boxes: **NA** Samples: **1** Overburden (ft): **NA** Rock (ft): **NA** Total Depth (ft): **3.0**

Logged By: **Joseph Sura** Date Drilled: **12/9/16**

VERTICAL DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE	REC%	RQD %	MATERIAL DESCRIPTION	ELEVATION (feet)	STANDARD PENETRATION TEST DATA (blows/foot) 5 10 20 40 60 80	N-VALUE
		GRAB			ASPHALT = 2"	NA		
					CONCRETE = 2"	SM		
					Brown silty SAND			
					Auger refusal was observed at a depth of 3 feet below the existing ground surface. No offset boring was performed.			
5					No groundwater was encountered at the time of boring completion.			
					Grab sample collected at 0-3 feet at 10:52 am.			
10								
15								
20								
25								
30								
35								
40								

SAMPLER TYPE

SS - Split Spoon
ST - Shelby Tube
NQ - Rock Core, 1-7/8"
NX - Rock Core, 2-1/8"
CU - Cuttings
CT - Continuous Tube

DRILLING METHOD

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
RW - Rotary Wash
RC - Rock Core

Hole No. **12-2**

SPTN GINT STD US.GPJ 1/31/17

WILLMER Engineering

Project:	Clarkston Streetscape Improvements	**HOLE No. 12-3**	
Location:	Clarkston, DeKalb County, Georgia	Sheet 1 of 1	
Project Number:	PI.0007613 Willmer Project No. 74.3993.802	Location:	Willmer Site No. 12

Azimuth: -- Angle from Horizontal: 90 Surface Elevation (ft): NA Station: NA

Drilling Equipment: Geoprobe 5410 Drilling Method: Direct Push

Core Boxes: NA Samples: 1 Overburden (ft): NA Rock (ft): NA Total Depth (ft): 20.0

Logged By: Joseph Sura Date Drilled: 12/9/16

VERTICAL DEPTH (ft)	GRAPHIC LOG	SAMPLE TYPE	REC%	RQD %	MATERIAL DESCRIPTION	ELEVATION (feet)	STANDARD PENETRATION TEST DATA (blows/foot) 5 10 20 40 60 80	N-VALUE
					ASPHALT = 3" SM White/tan/dark brown silty SAND	NA		
5								
10								
15		GRAB						
20					Boring was terminated at 20 feet below the existing ground surface. No groundwater was encountered at the time of boring completion. Grab sample collected at 15-20 feet at 11:30 am.			
25								
30								
35								
40								

SAMPLER TYPE

SS - Split Spoon
ST - Shelby Tube
NQ - Rock Core, 1-7/8"
NX - Rock Core, 2-1/8"
CU - Cuttings
CT - Continuous Tube

DRILLING METHOD

HSA - Hollow Stem Auger
CFA - Continuous Flight Augers
DC - Driving Casing
RW - Rotary Wash
RC - Rock Core

Hole No. 12-3

APPENDIX II

Analytical Report

L6L0134

Project

Clarkston Streetscapes

Project Number

74.3993.802

December 28, 2016
Willmer Engineering, Inc.
3772 Pleasantdale Rd. Suite 165
Atlanta, GA 30340

Minority Women Business Enterprise
Small Disadvantaged Business Enterprise

Minority Women Business Enterprise
Small Disadvantaged Business Enterprise

6017 Financial Dr.
Norcross, GA 30071

Phone #:770-449-8800
Website: www.ftsanalytical.com

December 28, 2016

Mr. Joseph Sura
Willmer Engineering, Inc.
3772 Pleasantdale Rd. Suite 165
Atlanta, GA 30340

RE: Clarkston Streetscapes

We are reporting the results of the analyses performed on the samples recieved on 12/9/2016 under the project name referenced above and identified as the lab Work Order L6L0134. All results being reported under this Report apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontracted lab, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reporting using all other available quality control methods.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by FTS Analytical Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise agreed upon. The samples received, and described as recorded in Work Order L6L0134 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise agreed upon. We reserve the right to return to you any unused samples, extracts, or solutions if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding standard practices, controlled/regulated substances, etc.)

We thank you for selecting FTS Analytical to serve your analytical needs. If you have any questions concerning this report, please do not hesitate to contact us at any time. We will be happy to help.

Sincerely,

John Andros
Senior Project Manager

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Samples in this Report

Lab ID	Sample	Matrix	Date Sampled	Date Received
L6L0134-01	9-3	Solid	09-Dec-2016 09:25	09-Dec-2016 14:35
L6L0134-02	9-2	Solid	09-Dec-2016 09:45	09-Dec-2016 14:35
L6L0134-03	9-1	Solid	09-Dec-2016 10:00	09-Dec-2016 14:35
L6L0134-04	12-1	Solid	09-Dec-2016 10:37	09-Dec-2016 14:35
L6L0134-05	12-2	Solid	09-Dec-2016 10:52	09-Dec-2016 14:35
L6L0134-06	12-3	Solid	09-Dec-2016 11:30	09-Dec-2016 14:35
L6L0134-07	N1-1	Solid	09-Dec-2016 12:18	09-Dec-2016 14:35
L6L0134-08	N1-2	Solid	09-Dec-2016 12:46	09-Dec-2016 14:35
L6L0134-09	N1-3	Solid	09-Dec-2016 13:10	09-Dec-2016 14:35
L6L0134-10	N1-4	Solid	09-Dec-2016 13:29	09-Dec-2016 14:35

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Analysis Case Narrative

SW8270D
Batch B6L0310
The percent recovery of the Blank Spike, Blank Spike Duplicate, Matrix Spike, Matrix Spike Duplicate was above QC limits for N-Nitrosodimethylamine. Acceptable per NELAC, Appendix D, Marginal Exceedances.
Samples affected: L6L0134-07,-08,-09,-10.

SW8015-DRO
Batch B6L0311
The RPD of the Blank Spike, Blank Spike Duplicate was outside QC limits. The RPD was within limits in the Matrix Spike, Matrix Spike Duplicate therefore the data was accepted.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Analysis Case Narrative

SW8260B
B6L0273
The Blank Spike, and/or Blank Spike Duplicate RPD for Methylene Chloride are outside the laboratory control limits. However, the recoveries are within acceptable limits.
Sample affected: L6L0134-07.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

MWBE SDBE
NELAC DoD Accredited

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results

Client Sample ID: 9-3
Lab Sample ID: L6L0134-01 (Solid)

Sampled:
12/9/16 9:25

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00872	mg/Kg dry	1	12/13/16 16:28	12/13/16 19:38	U	71-43-2
Ethylbenzene	ND	0.00872	mg/Kg dry	1	12/13/16 16:28	12/13/16 19:38	U	100-41-4
m,p-Xylenes	ND	0.0174	mg/Kg dry	1	12/13/16 16:28	12/13/16 19:38	U	179601-23-1
o-Xylene	ND	0.00872	mg/Kg dry	1	12/13/16 16:28	12/13/16 19:38	U	95-47-6
Toluene	ND	0.00872	mg/Kg dry	1	12/13/16 16:28	12/13/16 19:38	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*108%*	*50-150*			12/13/16 19:38		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*111%*	*57-158*			12/13/16 19:38		460-00-4
Surrogate: Toluene-D8 (SUR)		*96%*	*50-150*			12/13/16 19:38		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	ND	6.05	mg/Kg dry	1	12/15/16 9:35	12/29/16 16:36	U	68334-30-5
Surrogate: o-Terphenyl (SUR)		*96%*	*32-128*			12/29/16 16:36		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	9.89	mg/Kg dry	50	12/13/16 10:49	12/13/16 15:42	XU	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*121%*	*57-131*			12/13/16 15:42		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	91-57-6
Acenaphthene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	83-32-9
Acenaphthylene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	208-96-8
Anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	120-12-7
Benzo(a)anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	56-55-3
Benzo(a)pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	50-32-8
Benzo(b)fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	205-99-2
Benzo(g,h,i)perylene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	191-24-2
Benzo(k)fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	207-08-9
Chrysene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	53-70-3
Fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	206-44-0
Fluorene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	193-39-5
Naphthalene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	91-20-3
Phenanthrene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	85-01-8
Pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:30	12/15/16 20:32	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*84%*	*16-110*			12/15/16 20:32		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 9-3 (Continued)
Lab Sample ID: L6L0134-01 (Solid)

Sampled:
12/9/16 9:25

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*87%*	*19-105*			12/15/16 20:32		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*96%*	*20-137*			12/15/16 20:32		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**82.3**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**17.7**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 9-2
Lab Sample ID: L6L0134-02 (Solid)

Sampled:
12/9/16 9:45

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00606	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:03	U	71-43-2
Ethylbenzene	ND	0.00606	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:03	U	100-41-4
m,p-Xylenes	ND	0.0121	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:03	U	179601-23-1
o-Xylene	ND	0.00606	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:03	U	95-47-6
Toluene	ND	0.00606	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:03	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*113%*	*50-150*			12/13/16 20:03		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*109%*	*57-158*			12/13/16 20:03		460-00-4
Surrogate: Toluene-D8 (SUR)		*97%*	*50-150*			12/13/16 20:03		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	**6.15**	6.00	mg/Kg dry	1	12/15/16 9:35	12/29/16 17:21		68334-30-5
Surrogate: o-Terphenyl (SUR)		*87%*	*32-128*			12/29/16 17:21		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	9.58	mg/Kg dry	50	12/13/16 10:49	12/13/16 16:12	U	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*127%*	*57-131*			12/13/16 16:12		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	91-57-6
Acenaphthene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	83-32-9
Acenaphthylene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	208-96-8
Anthracene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	120-12-7
Benzo(a)anthracene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	56-55-3
Benzo(a)pyrene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	50-32-8
Benzo(b)fluoranthene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	205-99-2
Benzo(g,h,i)perylene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	191-24-2
Benzo(k)fluoranthene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	207-08-9
Chrysene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	53-70-3
Fluoranthene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	206-44-0
Fluorene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	193-39-5
Naphthalene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	91-20-3
Phenanthrene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	85-01-8
Pyrene	ND	0.401	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:00	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*71%*	*16-110*			12/15/16 21:00		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 9-2 (Continued)
Lab Sample ID: L6L0134-02 (Solid)

Sampled:
12/9/16 9:45

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*70%*	*19-105*			12/15/16 21:00		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*97%*	*20-137*			12/15/16 21:00		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**82.8**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**17.2**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 9-1
Lab Sample ID: L6L0134-03 (Solid)

Sampled:
12/9/16 10:00

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00735	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:28	U	71-43-2
Ethylbenzene	ND	0.00735	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:28	U	100-41-4
m,p-Xylenes	ND	0.0147	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:28	U	179601-23-1
o-Xylene	ND	0.00735	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:28	U	95-47-6
Toluene	ND	0.00735	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:28	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*121%*	*50-150*			12/13/16 20:28		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*109%*	*57-158*			12/13/16 20:28		460-00-4
Surrogate: Toluene-D8 (SUR)		*100%*	*50-150*			12/13/16 20:28		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	ND	6.10	mg/Kg dry	1	12/15/16 9:35	12/29/16 18:03	U	68334-30-5
Surrogate: o-Terphenyl (SUR)		*75%*	*32-128*			12/29/16 18:03		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	7.08	mg/Kg dry	50	12/13/16 10:49	12/13/16 16:42	U	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*123%*	*57-131*			12/13/16 16:42		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	91-57-6
Acenaphthene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	83-32-9
Acenaphthylene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	208-96-8
Anthracene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	120-12-7
Benzo(a)anthracene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	56-55-3
Benzo(a)pyrene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	50-32-8
Benzo(b)fluoranthene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	205-99-2
Benzo(g,h,i)perylene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	191-24-2
Benzo(k)fluoranthene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	207-08-9
Chrysene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	53-70-3
Fluoranthene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	206-44-0
Fluorene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	193-39-5
Naphthalene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	91-20-3
Phenanthrene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	85-01-8
Pyrene	ND	0.408	mg/Kg dry	1	12/15/16 11:30	12/16/16 21:50	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*56%*	*16-110*			12/16/16 21:50		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 9-1 (Continued)
Lab Sample ID: L6L0134-03 (Solid)

Sampled:
12/9/16 10:00

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*60%*	*19-105*			12/16/16 21:50		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*105%*	*20-137*			12/16/16 21:50		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**81.3**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**18.7**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-1
Lab Sample ID: L6L0134-04 (Solid)

Sampled:
12/9/16 10:37

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00518	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:53	U	71-43-2
Ethylbenzene	ND	0.00518	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:53	U	100-41-4
m,p-Xylenes	ND	0.0104	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:53	U	179601-23-1
o-Xylene	ND	0.00518	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:53	U	95-47-6
Toluene	ND	0.00518	mg/Kg dry	1	12/13/16 16:28	12/13/16 20:53	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*122%*	*50-150*			12/13/16 20:53		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*103%*	*57-158*			12/13/16 20:53		460-00-4
Surrogate: Toluene-D8 (SUR)		*97%*	*50-150*			12/13/16 20:53		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	ND	5.72	mg/Kg dry	1	12/15/16 9:35	12/29/16 20:02	U	68334-30-5
Surrogate: o-Terphenyl (SUR)		*81%*	*32-128*			12/29/16 20:02		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	5.93	mg/Kg dry	50	12/13/16 10:49	12/13/16 17:11	U	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*127%*	*57-131*			12/13/16 17:11		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	91-57-6
Acenaphthene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	83-32-9
Acenaphthylene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	208-96-8
Anthracene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	120-12-7
Benzo(a)anthracene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	56-55-3
Benzo(a)pyrene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	50-32-8
Benzo(b)fluoranthene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	205-99-2
Benzo(g,h,i)perylene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	191-24-2
Benzo(k)fluoranthene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	207-08-9
Chrysene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	53-70-3
Fluoranthene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	206-44-0
Fluorene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	193-39-5
Naphthalene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	91-20-3
Phenanthrene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	85-01-8
Pyrene	ND	0.382	mg/Kg dry	1	12/15/16 11:30	12/15/16 21:57	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*71%*	*16-110*			12/15/16 21:57		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-1 (Continued)
Lab Sample ID: L6L0134-04 (Solid)

Sampled:
12/9/16 10:37

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*79%*	*19-105*			12/15/16 21:57		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*105%*	*20-137*			12/15/16 21:57		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**86.9**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**13.1**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-2
Lab Sample ID: L6L0134-05 (Solid)

Sampled:
12/9/16 10:52

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00884	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:18	U	71-43-2
Ethylbenzene	ND	0.00884	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:18	U	100-41-4
m,p-Xylenes	ND	0.0177	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:18	U	179601-23-1
o-Xylene	ND	0.00884	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:18	U	95-47-6
Toluene	ND	0.00884	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:18	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*129%*	*50-150*			12/13/16 21:18		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*109%*	*57-158*			12/13/16 21:18		460-00-4
Surrogate: Toluene-D8 (SUR)		*98%*	*50-150*			12/13/16 21:18		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	**22.9**	6.21	mg/Kg dry	1	12/15/16 9:35	12/29/16 20:44		68334-30-5
Surrogate: o-Terphenyl (SUR)		*90%*	*32-128*			12/29/16 20:44		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	10.1	mg/Kg dry	50	12/13/16 10:49	12/13/16 17:41	U	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*120%*	*57-131*			12/13/16 17:41		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	91-57-6
Acenaphthene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	83-32-9
Acenaphthylene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	208-96-8
Anthracene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	120-12-7
Benzo(a)anthracene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	56-55-3
Benzo(a)pyrene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	50-32-8
Benzo(b)fluoranthene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	205-99-2
Benzo(g,h,i)perylene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	191-24-2
Benzo(k)fluoranthene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	207-08-9
Chrysene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	53-70-3
Fluoranthene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	206-44-0
Fluorene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	193-39-5
Naphthalene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	91-20-3
Phenanthrene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	85-01-8
Pyrene	ND	0.413	mg/Kg dry	1	12/15/16 11:30	12/15/16 22:26	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*95%*	*16-110*			12/15/16 22:26		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-2 (Continued)
Lab Sample ID: L6L0134-05 (Solid)

Sampled:
12/9/16 10:52

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*99%*	*19-105*			12/15/16 22:26		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*112%*	*20-137*			12/15/16 22:26		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**80.1**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**19.9**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-3
Lab Sample ID: L6L0134-06 (Solid)

Sampled:
12/9/16 11:30

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
BTEX by Method 8260B								
Benzene	ND	0.00737	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:44	U	71-43-2
Ethylbenzene	ND	0.00737	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:44	U	100-41-4
m,p-Xylenes	ND	0.0147	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:44	U	179601-23-1
o-Xylene	ND	0.00737	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:44	U	95-47-6
Toluene	ND	0.00737	mg/Kg dry	1	12/13/16 16:28	12/13/16 21:44	U	108-88-3
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*124%*	*50-150*			12/13/16 21:44		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*109%*	*57-158*			12/13/16 21:44		460-00-4
Surrogate: Toluene-D8 (SUR)		*98%*	*50-150*			12/13/16 21:44		2037-26-5
Diesel Range Organics (DRO) by Method 8015								
TPH-DRO (C10-C28)	ND	5.94	mg/Kg dry	1	12/15/16 9:35	12/29/16 21:25	U	68334-30-5
Surrogate: o-Terphenyl (SUR)		*90%*	*32-128*			12/29/16 21:25		84-15-1
Gasoline Range Organics (GRO) by Method 8015								
GRO-TPH (C6-C10)	ND	7.62	mg/Kg dry	50	12/13/16 10:49	12/13/16 18:10	U	GR-T-C6-C10
Surrogate: 2,5-Dibromotoluene (SUR)		*126%*	*57-131*			12/13/16 18:10		615-59-8
PAHs (SVOCs) by Method 8270D								
2-Methylnaphthalene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	91-57-6
Acenaphthene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	83-32-9
Acenaphthylene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	208-96-8
Anthracene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	120-12-7
Benzo(a)anthracene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	56-55-3
Benzo(a)pyrene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	50-32-8
Benzo(b)fluoranthene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	205-99-2
Benzo(g,h,i)perylene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	191-24-2
Benzo(k)fluoranthene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	207-08-9
Chrysene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	53-70-3
Fluoranthene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	206-44-0
Fluorene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	86-73-7
Indeno(1,2,3-cd)pyrene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	193-39-5
Naphthalene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	91-20-3
Phenanthrene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	85-01-8
Pyrene	ND	0.393	mg/Kg dry	1	12/15/16 11:30	12/15/16 23:26	U	129-00-0
Surrogate: 2-Fluorobiphenyl (B-SUR)		*86%*	*16-110*			12/15/16 23:26		321-60-8

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: 12-3 (Continued)
Lab Sample ID: L6L0134-06 (Solid)

Sampled:
12/9/16 11:30

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
PAHs (SVOCs) by Method 8270D (Continued)								
Surrogate: Nitrobenzene-d5 (B-SUR)		*91%*	*19-105*			12/15/16 23:26		4165-60-0
Surrogate: Terphenyl-D14 (B-SUR)		*118%*	*20-137*			12/15/16 23:26		1718-51-0
Percent Moisture by Method 2540G								
% Solids	**84.1**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**15.9**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-1
Lab Sample ID: L6L0134-07 (Solid)

Sampled:
12/9/16 12:18

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
7 RCRA Metals by Method 6010C								
Arsenic	ND	6.06	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46	U	7440-38-2
Barium	**77.1**	12.1	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46		7440-39-3
Cadmium	**1.28**	1.21	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46		7440-43-9
Chromium	ND	6.06	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46	U	7440-47-3
Lead	ND	6.06	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46	U	7439-92-1
Selenium	ND	6.06	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46	U	7782-49-2
Silver	ND	6.06	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:46	U	7440-22-4
Percent Moisture by Method 2540G								
% Solids	**82.5**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**17.5**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
SVOCs by Method 8270D								
1,2,4-Trichlorobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	120-82-1
1,2-Dichlorobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	95-50-1
1,3-Dichlorobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	541-73-1
1,4-Dichlorobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	106-46-7
2,4,5-Trichlorophenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	95-95-4
2,4,6-Trichlorophenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	88-06-2
2,4-Dichlorophenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	120-83-2
2,4-Dimethylphenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	105-67-9
2,4-Dinitrophenol	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	51-28-5
2,4-Dinitrotoluene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	121-14-2
2,6-Dinitrotoluene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	606-20-2
2-Chloronaphthalene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	91-58-7
2-Chlorophenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	95-57-8
2-Methylnaphthalene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	91-57-6
2-Methylphenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	95-48-7
2-Nitroaniline	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	88-74-4
2-Nitrophenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	88-75-5
3&4-Methylphenol	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	08-39-4/106-44-
3,3-Dichlorobenzidine	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	91-94-1
3-Nitroaniline	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	99-09-2
4,6-dinitro-2-methyl phenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	534-52-1
4-Bromophenyl-phenylether	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	101-55-3
4-chloro-3-methylphenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	59-50-7
4-Chloroaniline	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	106-47-8
4-Chlorophenyl Phenyl Ether	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	7005-72-3
4-Nitroaniline	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	100-01-6

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-1 (Continued)
Lab Sample ID: L6L0134-07 (Solid)

Sampled:
12/9/16 12:18

SVOCs by Method 8270D (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
4-Nitrophenol	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	100-02-7
Acenaphthene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	83-32-9
Acenaphthylene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	208-96-8
Anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	120-12-7
Benzo(a)anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	56-55-3
Benzo(a)pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	50-32-8
Benzo(b)fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	205-99-2
Benzo(g,h,i)perylene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	191-24-2
Benzo(k)fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	207-08-9
Benzoic Acid	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	65-85-0
Benzyl Alcohol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	100-51-6
Butyl Benzyl Phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	85-68-7
bis(2-chloroethoxy) methane	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	111-91-1
bis(2-chloroethyl) ether	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	111-44-4
bis(2-chloroisopropyl) ether	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	108-60-1
bis(2-ethylhexyl) phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	117-81-7
Chrysene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	53-70-3
Dibenzofuran	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	132-64-9
Diethyl Phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	84-66-2
Dimethyl Phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	131-11-3
di-n-Butyl Phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	84-74-2
di-n-Octyl Phthalate	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	117-84-0
Fluoranthene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	206-44-0
Fluorene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	86-73-7
Hexachlorobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	118-74-1
Hexachlorobutadiene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	87-68-3
Hexachlorocyclopentadiene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	77-47-4
Hexachloroethane	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	67-72-1
Indeno(1,2,3-cd)pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	193-39-5
Isophorone	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	78-59-1
Naphthalene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	91-20-3
Nitrobenzene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	98-95-3
N-Nitrosodimethylamine	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U, H	62-75-9
N-Nitrosodi-n-Propylamine	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	621-64-7
N-Nitrosodiphenylamine	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	86-30-6
Pentachlorophenol	ND	0.805	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	87-86-5
Phenanthrene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	85-01-8
Phenol	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	108-95-2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-1 (Continued)
Lab Sample ID: L6L0134-07 (Solid)

Sampled:
12/9/16 12:18

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
SVOCs by Method 8270D (Continued)								
Pyrene	ND	0.403	mg/Kg dry	1	12/15/16 11:45	12/16/16 17:35	U	129-00-0
Surrogate: 2,4,6-Tribromophenol (A-SUR)		*81%*	*19-122*			12/16/16 17:35		118-79-6
Surrogate: 2-Fluorobiphenyl (B-SUR)		*76%*	*30-115*			12/16/16 17:35		321-60-8
Surrogate: 2-Fluorophenol (A-SUR)		*75%*	*25-121*			12/16/16 17:35		367-12-4
Surrogate: Nitrobenzene-d5 (B-SUR)		*87%*	*23-120*			12/16/16 17:35		4165-60-0
Surrogate: Phenol-d5 (A-SURR)		*81%*	*15-110*			12/16/16 17:35		4165-62-2
Surrogate: Terphenyl-D14 (B-SUR)		*110%*	*18-137*			12/16/16 17:35		1718-51-0
Total Mercury Analysis by Method 7471A								
Mercury	ND	0.242	mg/Kg dry	1	12/13/16 8:15	12/14/16 12:30	U	7439-97-6
VOCs by Method 8260B								
1,1,1,2-Tetrachloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	630-20-6
1,1,1-Trichloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	71-55-6
1,1,2,2-Tetrachloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	79-34-5
1,1,2-Trichloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	79-00-5
1,1-Dichloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-34-3
1,1-Dichloroethene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-35-4
1,1-Dichloropropene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	563-58-6
1,2,3-Trichlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	87-61-6
1,2,3-Trichloropropane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	96-18-4
1,2,4-Trichlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	120-82-1
1,2,4-Trimethylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	95-63-6
1,2-Dibromo-3-Chloropropane (DBCP)	ND	0.0248	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	96-12-8
1,2-Dibromoethane (EDB)	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	106-93-4
1,2-Dichlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	95-50-1
1,2-Dichloroethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	107-06-2
1,2-Dichloropropane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	78-87-5
1,3,5-Trimethylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-67-8
1,3-Dichlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	541-73-1
1,3-Dichloropropane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	142-28-9
1,4-Dichlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	106-46-7
2,2-Dichloropropane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	590-20-7
2-Chlorotoluene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	95-49-8
2-Hexanone	ND	0.0310	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	591-78-6
4-Chlorotoluene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	106-43-4
4-Methyl-2-pentanone (MIBK)	ND	0.0310	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-10-1
Acetone	ND	0.0620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	67-64-1

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-1 (Continued)
Lab Sample ID: L6L0134-07 (Solid)

Sampled:
12/9/16 12:18

VOCs by Method 8260B (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
Acrolein	ND	0.0310	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	107-02-8
Acrylonitrile	ND	0.0310	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	107-13-1
Benzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	71-43-2
Bromobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-86-1
Bromochloromethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	74-97-5
Bromodichloromethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-27-4
Bromoform	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-25-2
Bromomethane (Methyl Bromide)	ND	0.0124	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	74-83-9
Carbon disulfide	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-15-0
Carbon tetrachloride	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	56-23-5
Chlorobenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-90-7
Chloroethane	ND	0.0124	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-00-3
Chloroform	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	67-66-3
Chloromethane (Methyl Chloride)	ND	0.0124	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	74-87-3
cis-1,2-Dichloroethene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	156-59-2
cis-1,3-Dichloropropene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	10061-01-5
Dibromochloromethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	124-48-1
Dibromomethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	74-95-3
Dichlorodifluoromethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-71-8
Ethylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	100-41-4
Hexachlorobutadiene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	87-68-3
Isopropylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	98-82-8
m,p-Xylenes	ND	0.0124	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	179601-23-1
2-Butanone (MEK)	ND	0.0620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	78-93-3
Methylene Chloride	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U, F	75-09-2
Naphthalene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	91-20-3
n-Butylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	104-51-8
n-Propylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	103-65-1
o-Xylene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	95-47-6
4-Isopropyltoluene (p-Cymene)	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	99-87-6
sec-Butylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	135-98-8
Styrene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	100-42-5
tert-Butylbenzene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	98-06-6
Tetrachloroethylene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	127-18-4
Toluene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-88-3
trans-1,2-Dichloroethene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	156-60-5
trans-1,3-Dichloropropene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	1006-10-26
Trichloroethylene	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	79-01-6
Trichlorofluoromethane	ND	0.00620	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-69-4

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-1 (Continued)
Lab Sample ID: L6L0134-07 (Solid)

Sampled:
12/9/16 12:18

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
VOCs by Method 8260B (Continued)								
Vinyl acetate	ND	0.0310	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	108-05-4
Vinyl chloride	ND	0.0124	mg/Kg dry	1	12/13/16 16:28	12/13/16 22:09	U	75-01-4
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*135%*	*50-150*			12/13/16 22:09		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*110%*	*57-158*			12/13/16 22:09		460-00-4
Surrogate: Toluene-D8 (SUR)		*97%*	*50-150*			12/13/16 22:09		2037-26-5

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-2
Lab Sample ID: L6L0134-08 (Solid)

Sampled:
12/9/16 12:46

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
7 RCRA Metals by Method 6010C								
Arsenic	ND	6.39	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48	U	7440-38-2
Barium	**221**	12.8	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48		7440-39-3
Cadmium	ND	1.28	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48	U	7440-43-9
Chromium	**20.8**	6.39	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48		7440-47-3
Lead	ND	6.39	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48	U	7439-92-1
Selenium	ND	6.39	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48	U	7782-49-2
Silver	ND	6.39	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:48	U	7440-22-4
Percent Moisture by Method 2540G								
% Solids	**78.3**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**21.7**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
SVOCs by Method 8270D								
1,2,4-Trichlorobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	120-82-1
1,2-Dichlorobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	95-50-1
1,3-Dichlorobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	541-73-1
1,4-Dichlorobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	106-46-7
2,4,5-Trichlorophenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	95-95-4
2,4,6-Trichlorophenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	88-06-2
2,4-Dichlorophenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	120-83-2
2,4-Dimethylphenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	105-67-9
2,4-Dinitrophenol	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	51-28-5
2,4-Dinitrotoluene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	121-14-2
2,6-Dinitrotoluene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	606-20-2
2-Chloronaphthalene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	91-58-7
2-Chlorophenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	95-57-8
2-Methylnaphthalene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	91-57-6
2-Methylphenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	95-48-7
2-Nitroaniline	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	88-74-4
2-Nitrophenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	88-75-5
3&4-Methylphenol	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	08-39-4/106-44-
3,3-Dichlorobenzidine	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	91-94-1
3-Nitroaniline	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	99-09-2
4,6-dinitro-2-methyl phenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	534-52-1
4-Bromophenyl-phenylether	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	101-55-3
4-chloro-3-methylphenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	59-50-7
4-Chloroaniline	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	106-47-8
4-Chlorophenyl Phenyl Ether	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	7005-72-3
4-Nitroaniline	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	100-01-6

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-2 (Continued)
Lab Sample ID: L6L0134-08 (Solid)

Sampled:
12/9/16 12:46

SVOCs by Method 8270D (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
4-Nitrophenol	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	100-02-7
Acenaphthene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	83-32-9
Acenaphthylene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	208-96-8
Anthracene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	120-12-7
Benzo(a)anthracene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	56-55-3
Benzo(a)pyrene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	50-32-8
Benzo(b)fluoranthene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	205-99-2
Benzo(g,h,i)perylene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	191-24-2
Benzo(k)fluoranthene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	207-08-9
Benzoic Acid	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	65-85-0
Benzyl Alcohol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	100-51-6
Butyl Benzyl Phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	85-68-7
bis(2-chloroethoxy) methane	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	111-91-1
bis(2-chloroethyl) ether	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	111-44-4
bis(2-chloroisopropyl) ether	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	108-60-1
bis(2-ethylhexyl) phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	117-81-7
Chrysene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	53-70-3
Dibenzofuran	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	132-64-9
Diethyl Phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	84-66-2
Dimethyl Phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	131-11-3
di-n-Butyl Phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	84-74-2
di-n-Octyl Phthalate	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	117-84-0
Fluoranthene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	206-44-0
Fluorene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	86-73-7
Hexachlorobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	118-74-1
Hexachlorobutadiene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	87-68-3
Hexachlorocyclopentadiene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	77-47-4
Hexachloroethane	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	67-72-1
Indeno(1,2,3-cd)pyrene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	193-39-5
Isophorone	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	78-59-1
Naphthalene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	91-20-3
Nitrobenzene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	98-95-3
N-Nitrosodimethylamine	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U, H	62-75-9
N-Nitrosodi-n-Propylamine	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	621-64-7
N-Nitrosodiphenylamine	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	86-30-6
Pentachlorophenol	ND	0.850	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	87-86-5
Phenanthrene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	85-01-8
Phenol	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	108-95-2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-2 (Continued)
Lab Sample ID: L6L0134-08 (Solid)

Sampled:
12/9/16 12:46

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
SVOCs by Method 8270D (Continued)								
Pyrene	ND	0.425	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:03	U	129-00-0
Surrogate: 2,4,6-Tribromophenol (A-SUR)		*70%*	*19-122*			12/16/16 18:03		118-79-6
Surrogate: 2-Fluorobiphenyl (B-SUR)		*57%*	*30-115*			12/16/16 18:03		321-60-8
Surrogate: 2-Fluorophenol (A-SUR)		*53%*	*25-121*			12/16/16 18:03		367-12-4
Surrogate: Nitrobenzene-d5 (B-SUR)		*62%*	*23-120*			12/16/16 18:03		4165-60-0
Surrogate: Phenol-d5 (A-SURR)		*61%*	*15-110*			12/16/16 18:03		4165-62-2
Surrogate: Terphenyl-D14 (B-SUR)		*103%*	*18-137*			12/16/16 18:03		1718-51-0
Total Mercury Analysis by Method 7471A								
Mercury	ND	0.256	mg/Kg dry	1	12/13/16 8:15	12/14/16 12:30	U	7439-97-6
VOCs by Method 8260B								
1,1,1,2-Tetrachloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	630-20-6
1,1,1-Trichloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	71-55-6
1,1,2,2-Tetrachloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	79-34-5
1,1,2-Trichloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	79-00-5
1,1-Dichloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-34-3
1,1-Dichloroethene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-35-4
1,1-Dichloropropene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	563-58-6
1,2,3-Trichlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	87-61-6
1,2,3-Trichloropropane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	96-18-4
1,2,4-Trichlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	120-82-1
1,2,4-Trimethylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	95-63-6
1,2-Dibromo-3-Chloropropane (DBCP)	ND	0.0266	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	96-12-8
1,2-Dibromoethane (EDB)	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	106-93-4
1,2-Dichlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	95-50-1
1,2-Dichloroethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	107-06-2
1,2-Dichloropropane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	78-87-5
1,3,5-Trimethylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-67-8
1,3-Dichlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	541-73-1
1,3-Dichloropropane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	142-28-9
1,4-Dichlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	106-46-7
2,2-Dichloropropane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	590-20-7
2-Chlorotoluene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	95-49-8
2-Hexanone	ND	0.0333	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	591-78-6
4-Chlorotoluene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	106-43-4
4-Methyl-2-pentanone (MIBK)	ND	0.0333	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-10-1
Acetone	ND	0.0665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	67-64-1

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-2 (Continued)
Lab Sample ID: L6L0134-08 (Solid)

Sampled:
12/9/16 12:46

VOCs by Method 8260B (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
Acrolein	ND	0.0333	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	107-02-8
Acrylonitrile	ND	0.0333	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	107-13-1
Benzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	71-43-2
Bromobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-86-1
Bromochloromethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	74-97-5
Bromodichloromethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-27-4
Bromoform	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-25-2
Bromomethane (Methyl Bromide)	ND	0.0133	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	74-83-9
Carbon disulfide	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-15-0
Carbon tetrachloride	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	56-23-5
Chlorobenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-90-7
Chloroethane	ND	0.0133	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-00-3
Chloroform	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	67-66-3
Chloromethane (Methyl Chloride)	ND	0.0133	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	74-87-3
cis-1,2-Dichloroethene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	156-59-2
cis-1,3-Dichloropropene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	10061-01-5
Dibromochloromethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	124-48-1
Dibromomethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	74-95-3
Dichlorodifluoromethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-71-8
Ethylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	100-41-4
Hexachlorobutadiene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	87-68-3
Isopropylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	98-82-8
m,p-Xylenes	ND	0.0133	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	179601-23-1
2-Butanone (MEK)	ND	0.0665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	78-93-3
Methylene Chloride	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-09-2
Naphthalene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	91-20-3
n-Butylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	104-51-8
n-Propylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	103-65-1
o-Xylene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	95-47-6
4-Isopropyltoluene (p-Cymene)	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	99-87-6
sec-Butylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	135-98-8
Styrene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	100-42-5
tert-Butylbenzene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	98-06-6
Tetrachloroethylene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	127-18-4
Toluene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-88-3
trans-1,2-Dichloroethene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	156-60-5
trans-1,3-Dichloropropene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	1006-10-26
Trichloroethylene	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	79-01-6
Trichlorofluoromethane	ND	0.00665	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-69-4

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-2 (Continued)
Lab Sample ID: L6L0134-08 (Solid)

Sampled:
12/9/16 12:46

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
VOCs by Method 8260B (Continued)								
Vinyl acetate	ND	0.0333	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	108-05-4
Vinyl chloride	ND	0.0133	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:04	U	75-01-4
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*132%*	*50-150*			12/19/16 17:04		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*103%*	*57-158*			12/19/16 17:04		460-00-4
Surrogate: Toluene-D8 (SUR)		*100%*	*50-150*			12/19/16 17:04		2037-26-5

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-3
Lab Sample ID: L6L0134-09 (Solid)

Sampled:
12/9/16 13:10

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
7 RCRA Metals by Method 6010C								
Arsenic	ND	5.68	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50	U	7440-38-2
Barium	**103**	11.4	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50		7440-39-3
Cadmium	ND	1.14	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50	U	7440-43-9
Chromium	**9.49**	5.68	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50		7440-47-3
Lead	**63.2**	5.68	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50		7439-92-1
Selenium	ND	5.68	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50	U	7782-49-2
Silver	ND	5.68	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:50	U	7440-22-4
Percent Moisture by Method 2540G								
% Solids	**83.0**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**17.0**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
SVOCs by Method 8270D								
1,2,4-Trichlorobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	120-82-1
1,2-Dichlorobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	95-50-1
1,3-Dichlorobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	541-73-1
1,4-Dichlorobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	106-46-7
2,4,5-Trichlorophenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	95-95-4
2,4,6-Trichlorophenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	88-06-2
2,4-Dichlorophenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	120-83-2
2,4-Dimethylphenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	105-67-9
2,4-Dinitrophenol	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	51-28-5
2,4-Dinitrotoluene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	121-14-2
2,6-Dinitrotoluene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	606-20-2
2-Chloronaphthalene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	91-58-7
2-Chlorophenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	95-57-8
2-Methylnaphthalene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	91-57-6
2-Methylphenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	95-48-7
2-Nitroaniline	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	88-74-4
2-Nitrophenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	88-75-5
3&4-Methylphenol	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	08-39-4/106-44-
3,3-Dichlorobenzidine	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	91-94-1
3-Nitroaniline	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	99-09-2
4,6-dinitro-2-methyl phenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	534-52-1
4-Bromophenyl-phenylether	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	101-55-3
4-chloro-3-methylphenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	59-50-7
4-Chloroaniline	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	106-47-8
4-Chlorophenyl Phenyl Ether	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	7005-72-3
4-Nitroaniline	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	100-01-6

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-3 (Continued)
Lab Sample ID: L6L0134-09 (Solid)

Sampled:
12/9/16 13:10

SVOCs by Method 8270D (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
4-Nitrophenol	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	100-02-7
Acenaphthene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	83-32-9
Acenaphthylene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	208-96-8
Anthracene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	120-12-7
Benzo(a)anthracene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	56-55-3
Benzo(a)pyrene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	50-32-8
Benzo(b)fluoranthene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	205-99-2
Benzo(g,h,i)perylene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	191-24-2
Benzo(k)fluoranthene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	207-08-9
Benzoic Acid	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	65-85-0
Benzyl Alcohol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	100-51-6
Butyl Benzyl Phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	85-68-7
bis(2-chloroethoxy) methane	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	111-91-1
bis(2-chloroethyl) ether	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	111-44-4
bis(2-chloroisopropyl) ether	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	108-60-1
bis(2-ethylhexyl) phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	117-81-7
Chrysene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	53-70-3
Dibenzofuran	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	132-64-9
Diethyl Phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	84-66-2
Dimethyl Phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	131-11-3
di-n-Butyl Phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	84-74-2
di-n-Octyl Phthalate	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	117-84-0
Fluoranthene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	206-44-0
Fluorene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	86-73-7
Hexachlorobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	118-74-1
Hexachlorobutadiene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	87-68-3
Hexachlorocyclopentadiene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	77-47-4
Hexachloroethane	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	67-72-1
Indeno(1,2,3-cd)pyrene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	193-39-5
Isophorone	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	78-59-1
Naphthalene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	91-20-3
Nitrobenzene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	98-95-3
N-Nitrosodimethylamine	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U, H	62-75-9
N-Nitrosodi-n-Propylamine	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	621-64-7
N-Nitrosodiphenylamine	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	86-30-6
Pentachlorophenol	ND	0.801	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	87-86-5
Phenanthrene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	85-01-8
Phenol	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	108-95-2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-3 (Continued)
Lab Sample ID: L6L0134-09 (Solid)

Sampled:
12/9/16 13:10

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
SVOCs by Method 8270D (Continued)								
Pyrene	ND	0.400	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:31	U	129-00-0
Surrogate: 2,4,6-Tribromophenol (A-SUR)		*67%*	*19-122*			12/16/16 18:31		118-79-6
Surrogate: 2-Fluorobiphenyl (B-SUR)		*61%*	*30-115*			12/16/16 18:31		321-60-8
Surrogate: 2-Fluorophenol (A-SUR)		*58%*	*25-121*			12/16/16 18:31		367-12-4
Surrogate: Nitrobenzene-d5 (B-SUR)		*68%*	*23-120*			12/16/16 18:31		4165-60-0
Surrogate: Phenol-d5 (A-SURR)		*65%*	*15-110*			12/16/16 18:31		4165-62-2
Surrogate: Terphenyl-D14 (B-SUR)		*90%*	*18-137*			12/16/16 18:31		1718-51-0
Total Mercury Analysis by Method 7471A								
Mercury	ND	0.241	mg/Kg dry	1	12/13/16 8:15	12/14/16 12:30	U	7439-97-6
VOCs by Method 8260B								
1,1,1,2-Tetrachloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	630-20-6
1,1,1-Trichloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	71-55-6
1,1,2,2-Tetrachloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	79-34-5
1,1,2-Trichloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	79-00-5
1,1-Dichloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-34-3
1,1-Dichloroethene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-35-4
1,1-Dichloropropene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	563-58-6
1,2,3-Trichlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	87-61-6
1,2,3-Trichloropropane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	96-18-4
1,2,4-Trichlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	120-82-1
1,2,4-Trimethylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	95-63-6
1,2-Dibromo-3-Chloropropane (DBCP)	ND	0.0233	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	96-12-8
1,2-Dibromoethane (EDB)	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	106-93-4
1,2-Dichlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	95-50-1
1,2-Dichloroethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	107-06-2
1,2-Dichloropropane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	78-87-5
1,3,5-Trimethylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-67-8
1,3-Dichlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	541-73-1
1,3-Dichloropropane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	142-28-9
1,4-Dichlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	106-46-7
2,2-Dichloropropane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	590-20-7
2-Chlorotoluene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	95-49-8
2-Hexanone	ND	0.0292	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	591-78-6
4-Chlorotoluene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	106-43-4
4-Methyl-2-pentanone (MIBK)	ND	0.0292	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-10-1
Acetone	ND	0.0583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	67-64-1

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-3 (Continued)
Lab Sample ID: L6L0134-09 (Solid)

Sampled:
12/9/16 13:10

VOCs by Method 8260B (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
Acrolein	ND	0.0292	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	107-02-8
Acrylonitrile	ND	0.0292	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	107-13-1
Benzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	71-43-2
Bromobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-86-1
Bromochloromethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	74-97-5
Bromodichloromethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-27-4
Bromoform	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-25-2
Bromomethane (Methyl Bromide)	ND	0.0117	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	74-83-9
Carbon disulfide	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-15-0
Carbon tetrachloride	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	56-23-5
Chlorobenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-90-7
Chloroethane	ND	0.0117	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-00-3
Chloroform	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	67-66-3
Chloromethane (Methyl Chloride)	ND	0.0117	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	74-87-3
cis-1,2-Dichloroethene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	156-59-2
cis-1,3-Dichloropropene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	10061-01-5
Dibromochloromethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	124-48-1
Dibromomethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	74-95-3
Dichlorodifluoromethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-71-8
Ethylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	100-41-4
Hexachlorobutadiene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	87-68-3
Isopropylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	98-82-8
m,p-Xylenes	ND	0.0117	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	179601-23-1
2-Butanone (MEK)	ND	0.0583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	78-93-3
Methylene Chloride	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-09-2
Naphthalene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	91-20-3
n-Butylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	104-51-8
n-Propylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	103-65-1
o-Xylene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	95-47-6
4-Isopropyltoluene (p-Cymene)	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	99-87-6
sec-Butylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	135-98-8
Styrene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	100-42-5
tert-Butylbenzene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	98-06-6
Tetrachloroethylene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	127-18-4
Toluene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-88-3
trans-1,2-Dichloroethene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	156-60-5
trans-1,3-Dichloropropene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	1006-10-26
Trichloroethylene	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	79-01-6
Trichlorofluoromethane	ND	0.00583	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-69-4

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-3 (Continued)
Lab Sample ID: L6L0134-09 (Solid)

Sampled:
12/9/16 13:10

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
VOCs by Method 8260B (Continued)								
Vinyl acetate	ND	0.0292	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	108-05-4
Vinyl chloride	ND	0.0117	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:29	U	75-01-4
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*130%*	*50-150*			12/19/16 17:29		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*106%*	*57-158*			12/19/16 17:29		460-00-4
Surrogate: Toluene-D8 (SUR)		*102%*	*50-150*			12/19/16 17:29		2037-26-5

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-4
Lab Sample ID: L6L0134-10 (Solid)

Sampled:
12/9/16 13:29

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
7 RCRA Metals by Method 6010C								
Arsenic	ND	6.05	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58	U	7440-38-2
Barium	**18.1**	12.1	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58		7440-39-3
Cadmium	ND	1.21	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58	U	7440-43-9
Chromium	ND	6.05	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58	U	7440-47-3
Lead	**12.5**	6.05	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58		7439-92-1
Selenium	ND	6.05	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58	U	7782-49-2
Silver	ND	6.05	mg/Kg dry	1	12/13/16 8:10	12/14/16 13:58	U	7440-22-4
Percent Moisture by Method 2540G								
% Solids	**80.2**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
Percent Moisture	**19.8**	0.100	%	1	12/13/16 16:27	12/13/16 16:28		
SVOCs by Method 8270D								
1,2,4-Trichlorobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	120-82-1
1,2-Dichlorobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	95-50-1
1,3-Dichlorobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	541-73-1
1,4-Dichlorobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	106-46-7
2,4,5-Trichlorophenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	95-95-4
2,4,6-Trichlorophenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	88-06-2
2,4-Dichlorophenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	120-83-2
2,4-Dimethylphenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	105-67-9
2,4-Dinitrophenol	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	51-28-5
2,4-Dinitrotoluene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	121-14-2
2,6-Dinitrotoluene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	606-20-2
2-Chloronaphthalene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	91-58-7
2-Chlorophenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	95-57-8
2-Methylnaphthalene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	91-57-6
2-Methylphenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	95-48-7
2-Nitroaniline	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	88-74-4
2-Nitrophenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	88-75-5
3&4-Methylphenol	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	08-39-4/106-44-
3,3-Dichlorobenzidine	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	91-94-1
3-Nitroaniline	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	99-09-2
4,6-dinitro-2-methyl phenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	534-52-1
4-Bromophenyl-phenylether	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	101-55-3
4-chloro-3-methylphenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	59-50-7
4-Chloroaniline	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	106-47-8
4-Chlorophenyl Phenyl Ether	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	7005-72-3
4-Nitroaniline	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	100-01-6

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-4 (Continued)
Lab Sample ID: L6L0134-10 (Solid)

Sampled:
12/9/16 13:29

SVOCs by Method 8270D (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
4-Nitrophenol	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	100-02-7
Acenaphthene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	83-32-9
Acenaphthylene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	208-96-8
Anthracene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	120-12-7
Benzo(a)anthracene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	56-55-3
Benzo(a)pyrene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	50-32-8
Benzo(b)fluoranthene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	205-99-2
Benzo(g,h,i)perylene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	191-24-2
Benzo(k)fluoranthene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	207-08-9
Benzoic Acid	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	65-85-0
Benzyl Alcohol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	100-51-6
Butyl Benzyl Phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	85-68-7
bis(2-chloroethoxy) methane	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	111-91-1
bis(2-chloroethyl) ether	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	111-44-4
bis(2-chloroisopropyl) ether	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	108-60-1
bis(2-ethylhexyl) phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	117-81-7
Chrysene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	218-01-9
Dibenz(a,h)Anthracene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	53-70-3
Dibenzofuran	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	132-64-9
Diethyl Phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	84-66-2
Dimethyl Phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	131-11-3
di-n-Butyl Phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	84-74-2
di-n-Octyl Phthalate	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	117-84-0
Fluoranthene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	206-44-0
Fluorene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	86-73-7
Hexachlorobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	118-74-1
Hexachlorobutadiene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	87-68-3
Hexachlorocyclopentadiene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	77-47-4
Hexachloroethane	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	67-72-1
Indeno(1,2,3-cd)pyrene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	193-39-5
Isophorone	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	78-59-1
Naphthalene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	91-20-3
Nitrobenzene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	98-95-3
N-Nitrosodimethylamine	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	XU, H	62-75-9
N-Nitrosodi-n-Propylamine	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	621-64-7
N-Nitrosodiphenylamine	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	86-30-6
Pentachlorophenol	ND	0.827	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	87-86-5
Phenanthrene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	85-01-8
Phenol	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	108-95-2

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-4 (Continued)
Lab Sample ID: L6L0134-10 (Solid)

Sampled:
12/9/16 13:29

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
SVOCs by Method 8270D (Continued)								
Pyrene	ND	0.414	mg/Kg dry	1	12/15/16 11:45	12/16/16 18:59	U	129-00-0
Surrogate: 2,4,6-Tribromophenol (A-SUR)		*75%*	*19-122*			12/16/16 18:59		118-79-6
Surrogate: 2-Fluorobiphenyl (B-SUR)		*73%*	*30-115*			12/16/16 18:59		321-60-8
Surrogate: 2-Fluorophenol (A-SUR)		*67%*	*25-121*			12/16/16 18:59		367-12-4
Surrogate: Nitrobenzene-d5 (B-SUR)		*75%*	*23-120*			12/16/16 18:59		4165-60-0
Surrogate: Phenol-d5 (A-SURR)		*75%*	*15-110*			12/16/16 18:59		4165-62-2
Surrogate: Terphenyl-D14 (B-SUR)		*100%*	*18-137*			12/16/16 18:59		1718-51-0
Total Mercury Analysis by Method 7471A								
Mercury	ND	0.249	mg/Kg dry	1	12/13/16 8:15	12/14/16 12:30	U	7439-97-6
VOCs by Method 8260B								
1,1,1,2-Tetrachloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	630-20-6
1,1,1-Trichloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	71-55-6
1,1,2,2-Tetrachloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	79-34-5
1,1,2-Trichloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	79-00-5
1,1-Dichloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-34-3
1,1-Dichloroethene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-35-4
1,1-Dichloropropene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	563-58-6
1,2,3-Trichlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	87-61-6
1,2,3-Trichloropropane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	96-18-4
1,2,4-Trichlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	120-82-1
1,2,4-Trimethylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	95-63-6
1,2-Dibromo-3-Chloropropane (DBCP)	ND	0.0257	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	96-12-8
1,2-Dibromoethane (EDB)	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	106-93-4
1,2-Dichlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	95-50-1
1,2-Dichloroethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	107-06-2
1,2-Dichloropropane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	78-87-5
1,3,5-Trimethylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-67-8
1,3-Dichlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	541-73-1
1,3-Dichloropropane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	142-28-9
1,4-Dichlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	106-46-7
2,2-Dichloropropane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	590-20-7
2-Chlorotoluene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	95-49-8
2-Hexanone	ND	0.0321	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	591-78-6
4-Chlorotoluene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	106-43-4
4-Methyl-2-pentanone (MIBK)	ND	0.0321	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-10-1
Acetone	ND	0.0642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	67-64-1

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-4 (Continued)
Lab Sample ID: L6L0134-10 (Solid)

Sampled:
12/9/16 13:29

VOCs by Method 8260B (Continued)

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
Acrolein	ND	0.0321	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	107-02-8
Acrylonitrile	ND	0.0321	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	107-13-1
Benzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	71-43-2
Bromobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-86-1
Bromochloromethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	74-97-5
Bromodichloromethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-27-4
Bromoform	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-25-2
Bromomethane (Methyl Bromide)	ND	0.0128	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	74-83-9
Carbon disulfide	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-15-0
Carbon tetrachloride	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	56-23-5
Chlorobenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-90-7
Chloroethane	ND	0.0128	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-00-3
Chloroform	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	67-66-3
Chloromethane (Methyl Chloride)	ND	0.0128	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	74-87-3
cis-1,2-Dichloroethene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	156-59-2
cis-1,3-Dichloropropene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	10061-01-5
Dibromochloromethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	124-48-1
Dibromomethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	74-95-3
Dichlorodifluoromethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-71-8
Ethylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	100-41-4
Hexachlorobutadiene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	87-68-3
Isopropylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	98-82-8
m,p-Xylenes	ND	0.0128	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	179601-23-1
2-Butanone (MEK)	ND	0.0642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	78-93-3
Methylene Chloride	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-09-2
Naphthalene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	91-20-3
n-Butylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	104-51-8
n-Propylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	103-65-1
o-Xylene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	95-47-6
4-Isopropyltoluene (p-Cymene)	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	99-87-6
sec-Butylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	135-98-8
Styrene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	100-42-5
tert-Butylbenzene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	98-06-6
Tetrachloroethylene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	127-18-4
Toluene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-88-3
trans-1,2-Dichloroethene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	156-60-5
trans-1,3-Dichloropropene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	1006-10-26
Trichloroethylene	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	79-01-6
Trichlorofluoromethane	ND	0.00642	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-69-4

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Sample Results
(Continued)

Client Sample ID: N1-4 (Continued)
Lab Sample ID: L6L0134-10 (Solid)

Sampled:
12/9/16 13:29

Analyte	Result	RL	Units	Dil	Date Prepared	Date Analyzed	Qual	CAS #
VOCs by Method 8260B (Continued)								
Vinyl acetate	ND	0.0321	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	108-05-4
Vinyl chloride	ND	0.0128	mg/Kg dry	1	12/19/16 11:56	12/19/16 17:54	U	75-01-4
Surrogate: 1,2-Dichloroethane-D4 (SUR)		*130%*	*50-150*			12/19/16 17:54		10706-07-0
Surrogate: 4-Bromofluorobenzene (SUR)		*105%*	*57-158*			12/19/16 17:54		460-00-4
Surrogate: Toluene-D8 (SUR)		*101%*	*50-150*			12/19/16 17:54		2037-26-5

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control

BTEX by Method 8260B

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273										
Blank (B6L0273-BLK1)					Prepared & Analyzed: 12/13/2016					
Benzene	ND	U	0.00500	mg/Kg wet						
Ethylbenzene	ND	U	0.00500	mg/Kg wet						
m,p-Xylenes	ND	U	0.0100	mg/Kg wet						
o-Xylene	ND	U	0.00500	mg/Kg wet						
Toluene	ND	U	0.00500	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0485*	*mg/L*	*0.0500*		*97*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0564*	*mg/L*	*0.0500*		*113*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0501*	*mg/L*	*0.0500*		*100*	*50-150*		
LCS (B6L0273-BS1)					Prepared & Analyzed: 12/13/2016					
Benzene	0.0493		0.00500	mg/Kg wet	0.0500		99	82-121		
Ethylbenzene	0.0464		0.00500	mg/Kg wet	0.0500		93	84-129		
m,p-Xylenes	0.0942		0.0100	mg/Kg wet	0.100		94	75-141		
o-Xylene	0.0471		0.00500	mg/Kg wet	0.0500		94	73-141		
Toluene	0.0487		0.00500	mg/Kg wet	0.0500		97	83-115		
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0427*	*mg/L*	*0.0500*		*85*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0469*	*mg/L*	*0.0500*		*94*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0496*	*mg/L*	*0.0500*		*99*	*50-150*		
LCS Dup (B6L0273-BSD1)					Prepared & Analyzed: 12/13/2016					
Benzene	0.0475		0.00500	mg/Kg wet	0.0500		95	82-121	4	20
Ethylbenzene	0.0453		0.00500	mg/Kg wet	0.0500		91	84-129	2	20
m,p-Xylenes	0.0924		0.0100	mg/Kg wet	0.100		92	75-141	2	20
o-Xylene	0.0445		0.00500	mg/Kg wet	0.0500		89	73-141	6	20
Toluene	0.0474		0.00500	mg/Kg wet	0.0500		95	83-115	3	20
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0431*	*mg/L*	*0.0500*		*86*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0473*	*mg/L*	*0.0500*		*95*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0504*	*mg/L*	*0.0500*		*101*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273										
Blank (B6L0273-BLK1)					Prepared & Analyzed: 12/13/2016					
1,1,1,2-Tetrachloroethane	ND	U	0.00500	mg/Kg wet						
1,1,1-Trichloroethane	ND	U	0.00500	mg/Kg wet						
1,1,2,2-Tetrachloroethane	ND	U	0.00500	mg/Kg wet						
1,1,2-Trichloroethane	ND	U	0.00500	mg/Kg wet						
1,1-Dichloroethane	ND	U	0.00500	mg/Kg wet						
1,1-Dichloroethene	ND	U	0.00500	mg/Kg wet						
1,1-Dichloropropene	ND	U	0.00500	mg/Kg wet						
1,2,3-Trichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2,3-Trichloropropane	ND	U	0.00500	mg/Kg wet						
1,2,4-Trichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2,4-Trimethylbenzene	ND	U	0.00500	mg/Kg wet						
1,2-Dibromo-3-Chloropropane (DBCP)	ND	U	0.0200	mg/Kg wet						
1,2-Dibromoethane (EDB)	ND	U	0.00500	mg/Kg wet						
1,2-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2-Dichloroethane	ND	U	0.00500	mg/Kg wet						
1,2-Dichloropropane	ND	U	0.00500	mg/Kg wet						
1,3,5-Trimethylbenzene	ND	U	0.00500	mg/Kg wet						
1,3-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,3-Dichloropropane	ND	U	0.00500	mg/Kg wet						
1,4-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
2,2-Dichloropropane	ND	U	0.00500	mg/Kg wet						
2-Chlorotoluene	ND	U	0.00500	mg/Kg wet						
2-Hexanone	ND	U	0.0250	mg/Kg wet						
4-Chlorotoluene	ND	U	0.00500	mg/Kg wet						
4-Methyl-2-pentanone (MIBK)	ND	U	0.0250	mg/Kg wet						
Acetone	ND	U	0.0500	mg/Kg wet						
Acrolein	ND	U	0.0250	mg/Kg wet						
Acrylonitrile	ND	U	0.0250	mg/Kg wet						
Benzene	ND	U	0.00500	mg/Kg wet						
Bromobenzene	ND	U	0.00500	mg/Kg wet						
Bromochloromethane	ND	U	0.00500	mg/Kg wet						
Bromodichloromethane	ND	U	0.00500	mg/Kg wet						
Bromoform	ND	U	0.00500	mg/Kg wet						
Bromomethane (Methyl Bromide)	ND	U	0.0100	mg/Kg wet						
Carbon disulfide	ND	U	0.00500	mg/Kg wet						
Carbon tetrachloride	ND	U	0.00500	mg/Kg wet						
Chlorobenzene	ND	U	0.00500	mg/Kg wet						
Chloroethane	ND	U	0.0100	mg/Kg wet						
Chloroform	ND	U	0.00500	mg/Kg wet						
Chloromethane (Methyl Chloride)	ND	U	0.0100	mg/Kg wet						
cis-1,2-Dichloroethene	ND	U	0.00500	mg/Kg wet						

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273 (Continued)										
Blank (B6L0273-BLK1)					Prepared & Analyzed: 12/13/2016					
cis-1,3-Dichloropropene	ND	U	0.00500	mg/Kg wet						
Dibromochloromethane	ND	U	0.00500	mg/Kg wet						
Dibromomethane	ND	U	0.00500	mg/Kg wet						
Dichlorodifluoromethane	ND	U	0.00500	mg/Kg wet						
Ethylbenzene	ND	U	0.00500	mg/Kg wet						
Hexachlorobutadiene	ND	U	0.00500	mg/Kg wet						
Isopropylbenzene	ND	U	0.00500	mg/Kg wet						
m,p-Xylenes	ND	U	0.0100	mg/Kg wet						
2-Butanone (MEK)	ND	U	0.0500	mg/Kg wet						
Methylene Chloride	ND	U	0.00500	mg/Kg wet						
Naphthalene	ND	U	0.00500	mg/Kg wet						
n-Butylbenzene	ND	U	0.00500	mg/Kg wet						
n-Propylbenzene	ND	U	0.00500	mg/Kg wet						
o-Xylene	ND	U	0.00500	mg/Kg wet						
4-Isopropyltoluene (p-Cymene)	ND	U	0.00500	mg/Kg wet						
sec-Butylbenzene	ND	U	0.00500	mg/Kg wet						
Styrene	ND	U	0.00500	mg/Kg wet						
tert-Butylbenzene	ND	U	0.00500	mg/Kg wet						
Tetrachloroethylene	ND	U	0.00500	mg/Kg wet						
Toluene	ND	U	0.00500	mg/Kg wet						
trans-1,2-Dichloroethene	ND	U	0.00500	mg/Kg wet						
trans-1,3-Dichloropropene	ND	U	0.00500	mg/Kg wet						
Trichloroethylene	ND	U	0.00500	mg/Kg wet						
Trichlorofluoromethane	ND	U	0.00500	mg/Kg wet						
Vinyl acetate	ND	U	0.0250	mg/Kg wet						
Vinyl chloride	ND	U	0.0100	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0485*	*mg/L*	*0.0500*		*97*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0564*	*mg/L*	*0.0500*		*113*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0501*	*mg/L*	*0.0500*		*100*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273 (Continued)										
LCS (B6L0273-BS1)					Prepared & Analyzed: 12/13/2016					
1,1,1,2-Tetrachloroethane	0.0471		0.00500	mg/Kg wet	0.0500		94	83-126		
1,1,1-Trichloroethane	0.0418		0.00500	mg/Kg wet	0.0500		84	75-145		
1,1,2,2-Tetrachloroethane	0.0480		0.00500	mg/Kg wet	0.0500		96	78-120		
1,1,2-Trichloroethane	0.0496		0.00500	mg/Kg wet	0.0500		99	81-115		
1,1-Dichloroethane	0.0463		0.00500	mg/Kg wet	0.0500		93	73-131		
1,1-Dichloroethene	0.0498		0.00500	mg/Kg wet	0.0500		100	67-144		
1,1-Dichloropropene	0.0435		0.00500	mg/Kg wet	0.0500		87	83-141		
1,2,3-Trichlorobenzene	0.0356		0.00500	mg/Kg wet	0.0500		71	59-168		
1,2,3-Trichloropropane	0.0476		0.00500	mg/Kg wet	0.0500		95	73-129		
1,2,4-Trichlorobenzene	0.0369		0.00500	mg/Kg wet	0.0500		74	61-170		
1,2,4-Trimethylbenzene	0.0460		0.00500	mg/Kg wet	0.0500		92	73-145		
1,2-Dibromo-3-Chloropropane (DBCP)	0.0410		0.0200	mg/Kg wet	0.0500		82	62-146		
1,2-Dibromoethane (EDB)	0.0492		0.00500	mg/Kg wet	0.0500		98	81-121		
1,2-Dichlorobenzene	0.0460		0.00500	mg/Kg wet	0.0500		92	70-146		
1,2-Dichloroethane	0.0396		0.00500	mg/Kg wet	0.0500		79	63-150		
1,2-Dichloropropane	0.0475		0.00500	mg/Kg wet	0.0500		95	76-121		
1,3,5-Trimethylbenzene	0.0467		0.00500	mg/Kg wet	0.0500		93	69-152		
1,3-Dichlorobenzene	0.0443		0.00500	mg/Kg wet	0.0500		89	73-145		
1,3-Dichloropropane	0.0478		0.00500	mg/Kg wet	0.0500		96	82-117		
1,4-Dichlorobenzene	0.0434		0.00500	mg/Kg wet	0.0500		87	74-143		
2,2-Dichloropropane	0.0399		0.00500	mg/Kg wet	0.0500		80	67-153		
2-Chlorotoluene	0.0444		0.00500	mg/Kg wet	0.0500		89	74-143		
2-Hexanone	0.102		0.0250	mg/Kg wet	0.100		102	59-154		
4-Chlorotoluene	0.0458		0.00500	mg/Kg wet	0.0500		92	76-140		
4-Methyl-2-pentanone (MIBK)	0.100		0.0250	mg/Kg wet	0.100		100	65-132		
Acetone	0.0864		0.0500	mg/Kg wet	0.100		86	43-163		
Acrolein	0.114		0.0250	mg/Kg wet	0.100		114	41-157		
Acrylonitrile	0.107		0.0250	mg/Kg wet	0.100		107	64-156		
Benzene	0.0493		0.00500	mg/Kg wet	0.0500		99	82-121		
Bromobenzene	0.0449		0.00500	mg/Kg wet	0.0500		90	83-120		
Bromochloromethane	0.0460		0.00500	mg/Kg wet	0.0500		92	79-126		
Bromodichloromethane	0.0446		0.00500	mg/Kg wet	0.0500		89	80-135		
Bromoform	0.0492		0.00500	mg/Kg wet	0.0500		98	71-135		
Bromomethane (Methyl Bromide)	0.0554		0.0100	mg/Kg wet	0.0500		111	51-149		
Carbon disulfide	0.0484		0.00500	mg/Kg wet	0.0500		97	57-151		
Carbon tetrachloride	0.0435		0.00500	mg/Kg wet	0.0500		87	70-156		
Chlorobenzene	0.0467		0.00500	mg/Kg wet	0.0500		93	76-131		
Chloroethane	0.0395		0.0100	mg/Kg wet	0.0500		79	64-131		
Chloroform	0.0414		0.00500	mg/Kg wet	0.0500		83	78-125		
Chloromethane (Methyl Chloride)	0.0394		0.0100	mg/Kg wet	0.0500		79	0-200		
cis-1,2-Dichloroethene	0.0522		0.00500	mg/Kg wet	0.0500		104	80-123		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273 (Continued)										
LCS (B6L0273-BS1)					Prepared & Analyzed: 12/13/2016					
cis-1,3-Dichloropropene	0.0486		0.00500	mg/Kg wet	0.0500		97	81-123		
Dibromochloromethane	0.0492		0.00500	mg/Kg wet	0.0500		98	81-136		
Dibromomethane	0.0468		0.00500	mg/Kg wet	0.0500		94	79-128		
Dichlorodifluoromethane	0.0325		0.00500	mg/Kg wet	0.0500		65	33-161		
Ethylbenzene	0.0464		0.00500	mg/Kg wet	0.0500		93	84-129		
Hexachlorobutadiene	0.0418		0.00500	mg/Kg wet	0.0500		84	33-221		
Isopropylbenzene	0.0456		0.00500	mg/Kg wet	0.0500		91	65-153		
m,p-Xylenes	0.0942		0.0100	mg/Kg wet	0.100		94	75-141		
2-Butanone (MEK)	0.0915		0.0500	mg/Kg wet	0.100		92	44-158		
Methylene Chloride	0.0470		0.00500	mg/Kg wet	0.0500		94	65-137		
Naphthalene	0.0374		0.00500	mg/Kg wet	0.0500		75	68-151		
n-Butylbenzene	0.0439		0.00500	mg/Kg wet	0.0500		88	43-199		
n-Propylbenzene	0.0462		0.00500	mg/Kg wet	0.0500		92	60-161		
o-Xylene	0.0471		0.00500	mg/Kg wet	0.0500		94	73-141		
4-Isopropyltoluene (p-Cymene)	0.0463		0.00500	mg/Kg wet	0.0500		93	59-127		
sec-Butylbenzene	0.0474		0.00500	mg/Kg wet	0.0500		95	44-179		
Styrene	0.0482		0.00500	mg/Kg wet	0.0500		96	82-129		
tert-Butylbenzene	0.0460		0.00500	mg/Kg wet	0.0500		92	56-163		
Tetrachloroethylene	0.0548		0.00500	mg/Kg wet	0.0500		110	64-148		
Toluene	0.0487		0.00500	mg/Kg wet	0.0500		97	83-115		
trans-1,2-Dichloroethene	0.0514		0.00500	mg/Kg wet	0.0500		103	72-132		
trans-1,3-Dichloropropene	0.0465		0.00500	mg/Kg wet	0.0500		93	82-132		
Trichloroethylene	0.0486		0.00500	mg/Kg wet	0.0500		97	80-126		
Trichlorofluoromethane	0.0354		0.00500	mg/Kg wet	0.0500		71	55-155		
Vinyl acetate	0.0481		0.0250	mg/Kg wet	0.0500		96	57-146		
Vinyl chloride	0.0442		0.0100	mg/Kg wet	0.0500		88	70-130		
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0427*	*mg/L*	*0.0500*		*85*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0469*	*mg/L*	*0.0500*		*94*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0496*	*mg/L*	*0.0500*		*99*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273 (Continued)										
LCS Dup (B6L0273-BSD1)					Prepared & Analyzed: 12/13/2016					
1,1,1,2-Tetrachloroethane	0.0459		0.00500	mg/Kg wet	0.0500		92	83-126	3	20
1,1,1-Trichloroethane	0.0412		0.00500	mg/Kg wet	0.0500		82	75-145	1	20
1,1,2,2-Tetrachloroethane	0.0472		0.00500	mg/Kg wet	0.0500		94	78-120	1	20
1,1,2-Trichloroethane	0.0481		0.00500	mg/Kg wet	0.0500		96	81-115	3	20
1,1-Dichloroethane	0.0459		0.00500	mg/Kg wet	0.0500		92	73-131	0.9	20
1,1-Dichloroethene	0.0478		0.00500	mg/Kg wet	0.0500		96	67-144	4	20
1,1-Dichloropropene	0.0447		0.00500	mg/Kg wet	0.0500		89	83-141	3	20
1,2,3-Trichlorobenzene	0.0384		0.00500	mg/Kg wet	0.0500		77	59-168	8	20
1,2,3-Trichloropropane	0.0485		0.00500	mg/Kg wet	0.0500		97	73-129	2	20
1,2,4-Trichlorobenzene	0.0397		0.00500	mg/Kg wet	0.0500		79	61-170	7	20
1,2,4-Trimethylbenzene	0.0451		0.00500	mg/Kg wet	0.0500		90	73-145	2	20
1,2-Dibromo-3-Chloropropane (DBCP)	0.0435		0.0200	mg/Kg wet	0.0500		87	62-146	6	20
1,2-Dibromoethane (EDB)	0.0477		0.00500	mg/Kg wet	0.0500		95	81-121	3	20
1,2-Dichlorobenzene	0.0458		0.00500	mg/Kg wet	0.0500		92	70-146	0.3	20
1,2-Dichloroethane	0.0403		0.00500	mg/Kg wet	0.0500		81	63-150	2	20
1,2-Dichloropropane	0.0461		0.00500	mg/Kg wet	0.0500		92	76-121	3	20
1,3,5-Trimethylbenzene	0.0459		0.00500	mg/Kg wet	0.0500		92	69-152	2	20
1,3-Dichlorobenzene	0.0451		0.00500	mg/Kg wet	0.0500		90	73-145	2	20
1,3-Dichloropropane	0.0476		0.00500	mg/Kg wet	0.0500		95	82-117	0.5	20
1,4-Dichlorobenzene	0.0450		0.00500	mg/Kg wet	0.0500		90	74-143	4	20
2,2-Dichloropropane	0.0389		0.00500	mg/Kg wet	0.0500		78	67-153	2	20
2-Chlorotoluene	0.0442		0.00500	mg/Kg wet	0.0500		88	74-143	0.6	20
2-Hexanone	0.101		0.0250	mg/Kg wet	0.100		101	59-154	0.6	20
4-Chlorotoluene	0.0458		0.00500	mg/Kg wet	0.0500		92	76-140	0.04	20
4-Methyl-2-pentanone (MIBK)	0.102		0.0250	mg/Kg wet	0.100		102	65-132	2	20
Acetone	0.0910		0.0500	mg/Kg wet	0.100		91	43-163	5	20
Acrolein	0.109		0.0250	mg/Kg wet	0.100		109	41-157	4	20
Acrylonitrile	0.115		0.0250	mg/Kg wet	0.100		115	64-156	7	20
Benzene	0.0475		0.00500	mg/Kg wet	0.0500		95	82-121	4	20
Bromobenzene	0.0439		0.00500	mg/Kg wet	0.0500		88	83-120	2	20
Bromochloromethane	0.0464		0.00500	mg/Kg wet	0.0500		93	79-126	1	20
Bromodichloromethane	0.0438		0.00500	mg/Kg wet	0.0500		88	80-135	2	20
Bromoform	0.0484		0.00500	mg/Kg wet	0.0500		97	71-135	2	20
Bromomethane (Methyl Bromide)	0.0548		0.0100	mg/Kg wet	0.0500		110	51-149	1	20
Carbon disulfide	0.0478		0.00500	mg/Kg wet	0.0500		96	57-151	1	20
Carbon tetrachloride	0.0422		0.00500	mg/Kg wet	0.0500		84	70-156	3	20
Chlorobenzene	0.0450		0.00500	mg/Kg wet	0.0500		90	76-131	4	20
Chloroethane	0.0359		0.0100	mg/Kg wet	0.0500		72	64-131	9	20
Chloroform	0.0417		0.00500	mg/Kg wet	0.0500		83	78-125	0.7	20
Chloromethane (Methyl Chloride)	0.0397		0.0100	mg/Kg wet	0.0500		79	0-200	0.8	20
cis-1,2-Dichloroethene	0.0540		0.00500	mg/Kg wet	0.0500		108	80-123	3	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0273 (Continued)										
LCS Dup (B6L0273-BSD1)					Prepared & Analyzed: 12/13/2016					
cis-1,3-Dichloropropene	0.0466		0.00500	mg/Kg wet	0.0500		93	81-123	4	20
Dibromochloromethane	0.0473		0.00500	mg/Kg wet	0.0500		95	81-136	4	20
Dibromomethane	0.0472		0.00500	mg/Kg wet	0.0500		94	79-128	0.7	20
Dichlorodifluoromethane	0.0273		0.00500	mg/Kg wet	0.0500		55	33-161	17	20
Ethylbenzene	0.0453		0.00500	mg/Kg wet	0.0500		91	84-129	2	20
Hexachlorobutadiene	0.0435		0.00500	mg/Kg wet	0.0500		87	33-221	4	20
Isopropylbenzene	0.0448		0.00500	mg/Kg wet	0.0500		90	65-153	2	20
m,p-Xylenes	0.0924		0.0100	mg/Kg wet	0.100		92	75-141	2	20
2-Butanone (MEK)	0.0960		0.0500	mg/Kg wet	0.100		96	44-158	5	20
Methylene Chloride	0.0622	X	0.00500	mg/Kg wet	0.0500		124	65-137	28	20
Naphthalene	0.0414		0.00500	mg/Kg wet	0.0500		83	68-151	10	20
n-Butylbenzene	0.0459		0.00500	mg/Kg wet	0.0500		92	43-199	4	20
n-Propylbenzene	0.0453		0.00500	mg/Kg wet	0.0500		91	60-161	2	20
o-Xylene	0.0445		0.00500	mg/Kg wet	0.0500		89	73-141	6	20
4-Isopropyltoluene (p-Cymene)	0.0468		0.00500	mg/Kg wet	0.0500		94	59-127	1	20
sec-Butylbenzene	0.0468		0.00500	mg/Kg wet	0.0500		94	44-179	1	20
Styrene	0.0485		0.00500	mg/Kg wet	0.0500		97	82-129	0.6	20
tert-Butylbenzene	0.0448		0.00500	mg/Kg wet	0.0500		90	56-163	3	20
Tetrachloroethylene	0.0545		0.00500	mg/Kg wet	0.0500		109	64-148	0.7	20
Toluene	0.0474		0.00500	mg/Kg wet	0.0500		95	83-115	3	20
trans-1,2-Dichloroethene	0.0504		0.00500	mg/Kg wet	0.0500		101	72-132	2	20
trans-1,3-Dichloropropene	0.0476		0.00500	mg/Kg wet	0.0500		95	82-132	2	20
Trichloroethylene	0.0461		0.00500	mg/Kg wet	0.0500		92	80-126	5	20
Trichlorofluoromethane	0.0348		0.00500	mg/Kg wet	0.0500		70	55-155	2	20
Vinyl acetate	0.0484		0.0250	mg/Kg wet	0.0500		97	57-146	0.7	20
Vinyl chloride	0.0396		0.0100	mg/Kg wet	0.0500		79	70-130	11	20
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0431*	*mg/L*	*0.0500*		*86*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0473*	*mg/L*	*0.0500*		*95*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0504*	*mg/L*	*0.0500*		*101*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383										
Blank (B6L0383-BLK1)					Prepared & Analyzed: 12/19/2016					
1,1,1,2-Tetrachloroethane	ND	U	0.00500	mg/Kg wet						
1,1,1-Trichloroethane	ND	U	0.00500	mg/Kg wet						
1,1,2,2-Tetrachloroethane	ND	U	0.00500	mg/Kg wet						
1,1,2-Trichloroethane	ND	U	0.00500	mg/Kg wet						
1,1-Dichloroethane	ND	U	0.00500	mg/Kg wet						
1,1-Dichloroethene	ND	U	0.00500	mg/Kg wet						
1,1-Dichloropropene	ND	U	0.00500	mg/Kg wet						
1,2,3-Trichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2,3-Trichloropropane	ND	U	0.00500	mg/Kg wet						
1,2,4-Trichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2,4-Trimethylbenzene	ND	U	0.00500	mg/Kg wet						
1,2-Dibromo-3-Chloropropane (DBCP)	ND	U	0.0200	mg/Kg wet						
1,2-Dibromoethane (EDB)	ND	U	0.00500	mg/Kg wet						
1,2-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,2-Dichloroethane	ND	U	0.00500	mg/Kg wet						
1,2-Dichloropropane	ND	U	0.00500	mg/Kg wet						
1,3,5-Trimethylbenzene	ND	U	0.00500	mg/Kg wet						
1,3-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
1,3-Dichloropropane	ND	U	0.00500	mg/Kg wet						
1,4-Dichlorobenzene	ND	U	0.00500	mg/Kg wet						
2,2-Dichloropropane	ND	U	0.00500	mg/Kg wet						
2-Chlorotoluene	ND	U	0.00500	mg/Kg wet						
2-Hexanone	ND	U	0.0250	mg/Kg wet						
4-Chlorotoluene	ND	U	0.00500	mg/Kg wet						
4-Methyl-2-pentanone (MIBK)	ND	U	0.0250	mg/Kg wet						
Acetone	ND	U	0.0500	mg/Kg wet						
Acrolein	ND	U	0.0250	mg/Kg wet						
Acrylonitrile	ND	U	0.0250	mg/Kg wet						
Benzene	ND	U	0.00500	mg/Kg wet						
Bromobenzene	ND	U	0.00500	mg/Kg wet						
Bromochloromethane	ND	U	0.00500	mg/Kg wet						
Bromodichloromethane	ND	U	0.00500	mg/Kg wet						
Bromoform	ND	U	0.00500	mg/Kg wet						
Bromomethane (Methyl Bromide)	ND	U	0.0100	mg/Kg wet						
Carbon disulfide	ND	U	0.00500	mg/Kg wet						
Carbon tetrachloride	ND	U	0.00500	mg/Kg wet						
Chlorobenzene	ND	U	0.00500	mg/Kg wet						
Chloroethane	ND	U	0.0100	mg/Kg wet						
Chloroform	ND	U	0.00500	mg/Kg wet						
Chloromethane (Methyl Chloride)	ND	U	0.0100	mg/Kg wet						
cis-1,2-Dichloroethene	ND	U	0.00500	mg/Kg wet						

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383 (Continued)										
Blank (B6L0383-BLK1)					Prepared & Analyzed: 12/19/2016					
cis-1,3-Dichloropropene	ND	U	0.00500	mg/Kg wet						
Dibromochloromethane	ND	U	0.00500	mg/Kg wet						
Dibromomethane	ND	U	0.00500	mg/Kg wet						
Dichlorodifluoromethane	ND	U	0.00500	mg/Kg wet						
Ethylbenzene	ND	U	0.00500	mg/Kg wet						
Hexachlorobutadiene	ND	U	0.00500	mg/Kg wet						
Isopropylbenzene	ND	U	0.00500	mg/Kg wet						
m,p-Xylenes	ND	U	0.0100	mg/Kg wet						
2-Butanone (MEK)	ND	U	0.0500	mg/Kg wet						
Methylene Chloride	ND	U	0.00500	mg/Kg wet						
Naphthalene	ND	U	0.00500	mg/Kg wet						
n-Butylbenzene	ND	U	0.00500	mg/Kg wet						
n-Propylbenzene	ND	U	0.00500	mg/Kg wet						
o-Xylene	ND	U	0.00500	mg/Kg wet						
4-Isopropyltoluene (p-Cymene)	ND	U	0.00500	mg/Kg wet						
sec-Butylbenzene	ND	U	0.00500	mg/Kg wet						
Styrene	ND	U	0.00500	mg/Kg wet						
tert-Butylbenzene	ND	U	0.00500	mg/Kg wet						
Tetrachloroethylene	ND	U	0.00500	mg/Kg wet						
Toluene	ND	U	0.00500	mg/Kg wet						
trans-1,2-Dichloroethene	ND	U	0.00500	mg/Kg wet						
trans-1,3-Dichloropropene	ND	U	0.00500	mg/Kg wet						
Trichloroethylene	ND	U	0.00500	mg/Kg wet						
Trichlorofluoromethane	ND	U	0.00500	mg/Kg wet						
Vinyl acetate	ND	U	0.0250	mg/Kg wet						
Vinyl chloride	ND	U	0.0100	mg/Kg wet						
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0557*	*mg/L*	*0.0500*		*111*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0526*	*mg/L*	*0.0500*		*105*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0523*	*mg/L*	*0.0500*		*105*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383 (Continued)										
LCS (B6L0383-BS1)					Prepared & Analyzed: 12/19/2016					
1,1,1,2-Tetrachloroethane	0.0474		0.00500	mg/Kg wet	0.0500		95	83-126		
1,1,1-Trichloroethane	0.0488		0.00500	mg/Kg wet	0.0500		98	75-145		
1,1,2,2-Tetrachloroethane	0.0455		0.00500	mg/Kg wet	0.0500		91	78-120		
1,1,2-Trichloroethane	0.0463		0.00500	mg/Kg wet	0.0500		93	81-115		
1,1-Dichloroethane	0.0466		0.00500	mg/Kg wet	0.0500		93	73-131		
1,1-Dichloroethene	0.0479		0.00500	mg/Kg wet	0.0500		96	67-144		
1,1-Dichloropropene	0.0494		0.00500	mg/Kg wet	0.0500		99	83-141		
1,2,3-Trichlorobenzene	0.0472		0.00500	mg/Kg wet	0.0500		94	59-168		
1,2,3-Trichloropropane	0.0453		0.00500	mg/Kg wet	0.0500		91	73-129		
1,2,4-Trichlorobenzene	0.0498		0.00500	mg/Kg wet	0.0500		100	61-170		
1,2,4-Trimethylbenzene	0.0533		0.00500	mg/Kg wet	0.0500		107	73-145		
1,2-Dibromo-3-Chloropropane (DBCP)	0.0427		0.0200	mg/Kg wet	0.0500		85	62-146		
1,2-Dibromoethane (EDB)	0.0476		0.00500	mg/Kg wet	0.0500		95	81-121		
1,2-Dichlorobenzene	0.0476		0.00500	mg/Kg wet	0.0500		95	70-146		
1,2-Dichloroethane	0.0466		0.00500	mg/Kg wet	0.0500		93	63-150		
1,2-Dichloropropane	0.0466		0.00500	mg/Kg wet	0.0500		93	76-121		
1,3,5-Trimethylbenzene	0.0542		0.00500	mg/Kg wet	0.0500		108	69-152		
1,3-Dichlorobenzene	0.0488		0.00500	mg/Kg wet	0.0500		98	73-145		
1,3-Dichloropropane	0.0460		0.00500	mg/Kg wet	0.0500		92	82-117		
1,4-Dichlorobenzene	0.0486		0.00500	mg/Kg wet	0.0500		97	74-143		
2,2-Dichloropropane	0.0476		0.00500	mg/Kg wet	0.0500		95	67-153		
2-Chlorotoluene	0.0508		0.00500	mg/Kg wet	0.0500		102	74-143		
2-Hexanone	0.0891		0.0250	mg/Kg wet	0.100		89	59-154		
4-Chlorotoluene	0.0516		0.00500	mg/Kg wet	0.0500		103	76-140		
4-Methyl-2-pentanone (MIBK)	0.0884		0.0250	mg/Kg wet	0.100		88	65-132		
Acetone	0.0987		0.0500	mg/Kg wet	0.100		99	43-163		
Acrolein	0.0734		0.0250	mg/Kg wet	0.100		73	41-157		
Acrylonitrile	0.0810		0.0250	mg/Kg wet	0.100		81	64-156		
Benzene	0.0474		0.00500	mg/Kg wet	0.0500		95	82-121		
Bromobenzene	0.0473		0.00500	mg/Kg wet	0.0500		95	83-120		
Bromochloromethane	0.0450		0.00500	mg/Kg wet	0.0500		90	79-126		
Bromodichloromethane	0.0488		0.00500	mg/Kg wet	0.0500		98	80-135		
Bromoform	0.0476		0.00500	mg/Kg wet	0.0500		95	71-135		
Bromomethane (Methyl Bromide)	0.0537		0.0100	mg/Kg wet	0.0500		107	51-149		
Carbon disulfide	0.0472		0.00500	mg/Kg wet	0.0500		94	57-151		
Carbon tetrachloride	0.0517		0.00500	mg/Kg wet	0.0500		103	70-156		
Chlorobenzene	0.0480		0.00500	mg/Kg wet	0.0500		96	76-131		
Chloroethane	0.0466		0.0100	mg/Kg wet	0.0500		93	64-131		
Chloroform	0.0517		0.00500	mg/Kg wet	0.0500		103	78-125		
Chloromethane (Methyl Chloride)	0.0414		0.0100	mg/Kg wet	0.0500		83	0-200		
cis-1,2-Dichloroethene	0.0466		0.00500	mg/Kg wet	0.0500		93	80-123		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383 (Continued)										
LCS (B6L0383-BS1)					Prepared & Analyzed: 12/19/2016					
cis-1,3-Dichloropropene	0.0474		0.00500	mg/Kg wet	0.0500		95	81-123		
Dibromochloromethane	0.0477		0.00500	mg/Kg wet	0.0500		95	81-136		
Dibromomethane	0.0473		0.00500	mg/Kg wet	0.0500		95	79-128		
Dichlorodifluoromethane	0.0524		0.00500	mg/Kg wet	0.0500		105	33-161		
Ethylbenzene	0.0527		0.00500	mg/Kg wet	0.0500		105	84-129		
Hexachlorobutadiene	0.0507		0.00500	mg/Kg wet	0.0500		101	33-221		
Isopropylbenzene	0.0538		0.00500	mg/Kg wet	0.0500		108	65-153		
m,p-Xylenes	0.103		0.0100	mg/Kg wet	0.100		103	75-141		
2-Butanone (MEK)	0.0846		0.0500	mg/Kg wet	0.100		85	44-158		
Methylene Chloride	0.0445		0.00500	mg/Kg wet	0.0500		89	65-137		
Naphthalene	0.0469		0.00500	mg/Kg wet	0.0500		94	68-151		
n-Butylbenzene	0.0555		0.00500	mg/Kg wet	0.0500		111	43-199		
n-Propylbenzene	0.0528		0.00500	mg/Kg wet	0.0500		106	60-161		
o-Xylene	0.0489		0.00500	mg/Kg wet	0.0500		98	73-141		
4-Isopropyltoluene (p-Cymene)	0.0560		0.00500	mg/Kg wet	0.0500		112	59-127		
sec-Butylbenzene	0.0519		0.00500	mg/Kg wet	0.0500		104	44-179		
Styrene	0.0513		0.00500	mg/Kg wet	0.0500		103	82-129		
tert-Butylbenzene	0.0536		0.00500	mg/Kg wet	0.0500		107	56-163		
Tetrachloroethylene	0.0512		0.00500	mg/Kg wet	0.0500		102	64-148		
Toluene	0.0486		0.00500	mg/Kg wet	0.0500		97	83-115		
trans-1,2-Dichloroethene	0.0467		0.00500	mg/Kg wet	0.0500		93	72-132		
trans-1,3-Dichloropropene	0.0480		0.00500	mg/Kg wet	0.0500		96	82-132		
Trichloroethylene	0.0490		0.00500	mg/Kg wet	0.0500		98	80-126		
Trichlorofluoromethane	0.0478		0.00500	mg/Kg wet	0.0500		96	55-155		
Vinyl acetate	0.0448		0.0250	mg/Kg wet	0.0500		90	57-146		
Vinyl chloride	0.0469		0.0100	mg/Kg wet	0.0500		94	70-130		
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0480*	*mg/L*	*0.0500*		*96*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0493*	*mg/L*	*0.0500*		*99*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0506*	*mg/L*	*0.0500*		*101*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383 (Continued)										
LCS Dup (B6L0383-BSD1)					Prepared & Analyzed: 12/19/2016					
1,1,1,2-Tetrachloroethane	0.0464		0.00500	mg/Kg wet	0.0500		93	83-126	2	20
1,1,1-Trichloroethane	0.0434		0.00500	mg/Kg wet	0.0500		87	75-145	12	20
1,1,2,2-Tetrachloroethane	0.0422		0.00500	mg/Kg wet	0.0500		84	78-120	8	20
1,1,2-Trichloroethane	0.0442		0.00500	mg/Kg wet	0.0500		88	81-115	5	20
1,1-Dichloroethane	0.0444		0.00500	mg/Kg wet	0.0500		89	73-131	5	20
1,1-Dichloroethene	0.0465		0.00500	mg/Kg wet	0.0500		93	67-144	3	20
1,1-Dichloropropene	0.0465		0.00500	mg/Kg wet	0.0500		93	83-141	6	20
1,2,3-Trichlorobenzene	0.0459		0.00500	mg/Kg wet	0.0500		92	59-168	3	20
1,2,3-Trichloropropane	0.0425		0.00500	mg/Kg wet	0.0500		85	73-129	6	20
1,2,4-Trichlorobenzene	0.0481		0.00500	mg/Kg wet	0.0500		96	61-170	3	20
1,2,4-Trimethylbenzene	0.0502		0.00500	mg/Kg wet	0.0500		100	73-145	6	20
1,2-Dibromo-3-Chloropropane (DBCP)	0.0424		0.0200	mg/Kg wet	0.0500		85	62-146	0.7	20
1,2-Dibromoethane (EDB)	0.0450		0.00500	mg/Kg wet	0.0500		90	81-121	6	20
1,2-Dichlorobenzene	0.0453		0.00500	mg/Kg wet	0.0500		91	70-146	5	20
1,2-Dichloroethane	0.0456		0.00500	mg/Kg wet	0.0500		91	63-150	2	20
1,2-Dichloropropane	0.0444		0.00500	mg/Kg wet	0.0500		89	76-121	5	20
1,3,5-Trimethylbenzene	0.0507		0.00500	mg/Kg wet	0.0500		101	69-152	7	20
1,3-Dichlorobenzene	0.0468		0.00500	mg/Kg wet	0.0500		94	73-145	4	20
1,3-Dichloropropane	0.0450		0.00500	mg/Kg wet	0.0500		90	82-117	2	20
1,4-Dichlorobenzene	0.0460		0.00500	mg/Kg wet	0.0500		92	74-143	5	20
2,2-Dichloropropane	0.0456		0.00500	mg/Kg wet	0.0500		91	67-153	4	20
2-Chlorotoluene	0.0480		0.00500	mg/Kg wet	0.0500		96	74-143	6	20
2-Hexanone	0.0884		0.0250	mg/Kg wet	0.100		88	59-154	0.8	20
4-Chlorotoluene	0.0494		0.00500	mg/Kg wet	0.0500		99	76-140	4	20
4-Methyl-2-pentanone (MIBK)	0.0908		0.0250	mg/Kg wet	0.100		91	65-132	3	20
Acetone	0.107		0.0500	mg/Kg wet	0.100		107	43-163	8	20
Acrolein	0.0838		0.0250	mg/Kg wet	0.100		84	41-157	13	20
Acrylonitrile	0.0943		0.0250	mg/Kg wet	0.100		94	64-156	15	20
Benzene	0.0443		0.00500	mg/Kg wet	0.0500		89	82-121	7	20
Bromobenzene	0.0451		0.00500	mg/Kg wet	0.0500		90	83-120	5	20
Bromochloromethane	0.0442		0.00500	mg/Kg wet	0.0500		88	79-126	2	20
Bromodichloromethane	0.0473		0.00500	mg/Kg wet	0.0500		95	80-135	3	20
Bromoform	0.0443		0.00500	mg/Kg wet	0.0500		89	71-135	7	20
Bromomethane (Methyl Bromide)	0.0538		0.0100	mg/Kg wet	0.0500		108	51-149	0.1	20
Carbon disulfide	0.0460		0.00500	mg/Kg wet	0.0500		92	57-151	3	20
Carbon tetrachloride	0.0459		0.00500	mg/Kg wet	0.0500		92	70-156	12	20
Chlorobenzene	0.0472		0.00500	mg/Kg wet	0.0500		94	76-131	2	20
Chloroethane	0.0446		0.0100	mg/Kg wet	0.0500		89	64-131	4	20
Chloroform	0.0456		0.00500	mg/Kg wet	0.0500		91	78-125	12	20
Chloromethane (Methyl Chloride)	0.0409		0.0100	mg/Kg wet	0.0500		82	0-200	1	20
cis-1,2-Dichloroethene	0.0448		0.00500	mg/Kg wet	0.0500		90	80-123	4	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

VOCs by Method 8260B (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0383 (Continued)										
LCS Dup (B6L0383-BSD1)					Prepared & Analyzed: 12/19/2016					
cis-1,3-Dichloropropene	0.0463		0.00500	mg/Kg wet	0.0500		93	81-123	2	20
Dibromochloromethane	0.0458		0.00500	mg/Kg wet	0.0500		92	81-136	4	20
Dibromomethane	0.0455		0.00500	mg/Kg wet	0.0500		91	79-128	4	20
Dichlorodifluoromethane	0.0547		0.00500	mg/Kg wet	0.0500		109	33-161	4	20
Ethylbenzene	0.0509		0.00500	mg/Kg wet	0.0500		102	84-129	3	20
Hexachlorobutadiene	0.0467		0.00500	mg/Kg wet	0.0500		93	33-221	8	20
Isopropylbenzene	0.0492		0.00500	mg/Kg wet	0.0500		98	65-153	9	20
m,p-Xylenes	0.0978		0.0100	mg/Kg wet	0.100		98	75-141	5	20
2-Butanone (MEK)	0.0930		0.0500	mg/Kg wet	0.100		93	44-158	9	20
Methylene Chloride	0.0428		0.00500	mg/Kg wet	0.0500		86	65-137	4	20
Naphthalene	0.0455		0.00500	mg/Kg wet	0.0500		91	68-151	3	20
n-Butylbenzene	0.0525		0.00500	mg/Kg wet	0.0500		105	43-199	6	20
n-Propylbenzene	0.0489		0.00500	mg/Kg wet	0.0500		98	60-161	8	20
o-Xylene	0.0470		0.00500	mg/Kg wet	0.0500		94	73-141	4	20
4-Isopropyltoluene (p-Cymene)	0.0525		0.00500	mg/Kg wet	0.0500		105	59-127	6	20
sec-Butylbenzene	0.0477		0.00500	mg/Kg wet	0.0500		95	44-179	8	20
Styrene	0.0494		0.00500	mg/Kg wet	0.0500		99	82-129	4	20
tert-Butylbenzene	0.0500		0.00500	mg/Kg wet	0.0500		100	56-163	7	20
Tetrachloroethylene	0.0502		0.00500	mg/Kg wet	0.0500		100	64-148	2	20
Toluene	0.0463		0.00500	mg/Kg wet	0.0500		93	83-115	5	20
trans-1,2-Dichloroethene	0.0440		0.00500	mg/Kg wet	0.0500		88	72-132	6	20
trans-1,3-Dichloropropene	0.0461		0.00500	mg/Kg wet	0.0500		92	82-132	4	20
Trichloroethylene	0.0472		0.00500	mg/Kg wet	0.0500		94	80-126	4	20
Trichlorofluoromethane	0.0463		0.00500	mg/Kg wet	0.0500		93	55-155	3	20
Vinyl acetate	0.0437		0.0250	mg/Kg wet	0.0500		87	57-146	2	20
Vinyl chloride	0.0446		0.0100	mg/Kg wet	0.0500		89	70-130	5	20
Surrogate: 1,2-Dichloroethane-D4 (SUR)			*0.0507*	*mg/L*	*0.0500*		*101*	*50-150*		
Surrogate: 4-Bromofluorobenzene (SUR)			*0.0484*	*mg/L*	*0.0500*		*97*	*57-158*		
Surrogate: Toluene-D8 (SUR)			*0.0510*	*mg/L*	*0.0500*		*102*	*50-150*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

Gasoline Range Organics (GRO) by Method 8015

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0228										
Blank (B6L0228-BLK1)					Prepared & Analyzed: 12/13/2016					
GRO-TPH (C6-C10)	ND	U	5.00	mg/Kg wet						
Surrogate: 2,5-Dibromotoluene (SUR)			*0.110*	*mg/Kg wet*	*0.100*		*110*	*57-131*		
LCS (B6L0228-BS1)					Prepared & Analyzed: 12/13/2016					
GRO-TPH (C6-C10)	1.11		0.100	mg/Kg wet	1.00		111	64-115		
Surrogate: 2,5-Dibromotoluene (SUR)			*0.119*	*mg/Kg wet*	*0.100*		*119*	*57-131*		
LCS Dup (B6L0228-BSD1)					Prepared & Analyzed: 12/13/2016					
GRO-TPH (C6-C10)	1.10		0.100	mg/Kg wet	1.00		110	64-115	0.4	25
Surrogate: 2,5-Dibromotoluene (SUR)			*0.112*	*mg/Kg wet*	*0.100*		*112*	*57-131*		
Matrix Spike (B6L0228-MS1)		**Source: L6L0134-01**			Prepared & Analyzed: 12/13/2016					
GRO-TPH (C6-C10)	68.0		6.07	mg/Kg dry	60.7	ND	112	64-115		
Surrogate: 2,5-Dibromotoluene (SUR)			*7.64*	*mg/Kg dry*	*6.07*		*126*	*57-131*		
Matrix Spike Dup (B6L0228-MSD1)		**Source: L6L0134-01**			Prepared & Analyzed: 12/13/2016					
GRO-TPH (C6-C10)	70.1		6.07	mg/Kg dry	60.7	ND	115	64-115	3	25
Surrogate: 2,5-Dibromotoluene (SUR)			*7.74*	*mg/Kg dry*	*6.07*		*128*	*57-131*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

Diesel Range Organics (DRO) by Method 8015

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0311										
Blank (B6L0311-BLK1)					Prepared: 12/15/2016 Analyzed: 12/29/2016					
TPH-DRO (C10-C28)	ND	U	5.00	mg/Kg wet						
Surrogate: o-Terphenyl (SUR)			*1.46*	*mg/Kg wet*	*1.67*		*88*	*32-128*		
LCS (B6L0311-BS1)					Prepared: 12/15/2016 Analyzed: 12/29/2016					
TPH-DRO (C10-C28)	34.8		5.00	mg/Kg wet	33.3		104	49-114		
Surrogate: o-Terphenyl (SUR)			*1.62*	*mg/Kg wet*	*1.67*		*97*	*32-128*		
LCS Dup (B6L0311-BSD1)					Prepared: 12/15/2016 Analyzed: 12/29/2016					
TPH-DRO (C10-C28)	42.9	X	5.00	mg/Kg wet	33.3		129	49-114	21	20
Surrogate: o-Terphenyl (SUR)			*1.57*	*mg/Kg wet*	*1.67*		*94*	*32-128*		
Matrix Spike (B6L0311-MS1)		**Source: L6L0134-03**			Prepared: 12/15/2016 Analyzed: 12/29/2016					
TPH-DRO (C10-C28)	41.0		6.14	mg/Kg dry	41.0	ND	100	32-119		
Surrogate: o-Terphenyl (SUR)			*2.01*	*mg/Kg dry*	*2.05*		*98*	*32-128*		
Matrix Spike Dup (B6L0311-MSD1)		**Source: L6L0134-03**			Prepared: 12/15/2016 Analyzed: 12/29/2016					
TPH-DRO (C10-C28)	45.3		6.13	mg/Kg dry	40.9	ND	111	32-119	10	20
Surrogate: o-Terphenyl (SUR)			*2.05*	*mg/Kg dry*	*2.04*		*100*	*32-128*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310										
Blank (B6L0310-BLK1)					Prepared: 12/15/2016 Analyzed: 12/16/2016					
1,2,4-Trichlorobenzene	ND	U	0.333	mg/Kg wet						
1,2-Dichlorobenzene	ND	U	0.333	mg/Kg wet						
1,3-Dichlorobenzene	ND	U	0.333	mg/Kg wet						
1,4-Dichlorobenzene	ND	U	0.333	mg/Kg wet						
2,4,5-Trichlorophenol	ND	U	0.333	mg/Kg wet						
2,4,6-Trichlorophenol	ND	U	0.333	mg/Kg wet						
2,4-Dichlorophenol	ND	U	0.333	mg/Kg wet						
2,4-Dimethylphenol	ND	U	0.333	mg/Kg wet						
2,4-Dinitrophenol	ND	U	0.666	mg/Kg wet						
2,4-Dinitrotoluene	ND	U	0.333	mg/Kg wet						
2,6-Dinitrotoluene	ND	U	0.333	mg/Kg wet						
2-Chloronaphthalene	ND	U	0.333	mg/Kg wet						
2-Chlorophenol	ND	U	0.333	mg/Kg wet						
2-Methylnaphthalene	ND	U	0.333	mg/Kg wet						
2-Methylphenol	ND	U	0.333	mg/Kg wet						
2-Nitroaniline	ND	U	0.666	mg/Kg wet						
2-Nitrophenol	ND	U	0.333	mg/Kg wet						
3&4-Methylphenol	ND	U	0.666	mg/Kg wet						
3,3-Dichlorobenzidine	ND	U	0.333	mg/Kg wet						
3-Nitroaniline	ND	U	0.666	mg/Kg wet						
4,6-dinitro-2-methyl phenol	ND	U	0.333	mg/Kg wet						
4-Bromophenyl-phenylether	ND	U	0.333	mg/Kg wet						
4-chloro-3-methylphenol	ND	U	0.333	mg/Kg wet						
4-Chloroaniline	ND	U	0.333	mg/Kg wet						
4-Chlorophenyl Phenyl Ether	ND	U	0.333	mg/Kg wet						
4-Nitroaniline	ND	U	0.666	mg/Kg wet						
4-Nitrophenol	ND	U	0.666	mg/Kg wet						
Acenaphthene	ND	U	0.333	mg/Kg wet						
Acenaphthylene	ND	U	0.333	mg/Kg wet						
Anthracene	ND	U	0.333	mg/Kg wet						
Benzo(a)anthracene	ND	U	0.333	mg/Kg wet						
Benzo(a)pyrene	ND	U	0.333	mg/Kg wet						
Benzo(b)fluoranthene	ND	U	0.333	mg/Kg wet						
Benzo(g,h,i)perylene	ND	U	0.333	mg/Kg wet						
Benzo(k)fluoranthene	ND	U	0.333	mg/Kg wet						
Benzoic Acid	ND	U	0.666	mg/Kg wet						
Benzyl Alcohol	ND	U	0.333	mg/Kg wet						
Butyl Benzyl Phthalate	ND	U	0.333	mg/Kg wet						
bis(2-chloroethoxy) methane	ND	U	0.333	mg/Kg wet						
bis(2-chloroethyl) ether	ND	U	0.333	mg/Kg wet						
bis(2-chloroisopropyl) ether	ND	U	0.333	mg/Kg wet						

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
Blank (B6L0310-BLK1)					Prepared: 12/15/2016 Analyzed: 12/16/2016					
bis(2-ethylhexyl) phthalate	ND	U	0.333	mg/Kg wet						
Chrysene	ND	U	0.333	mg/Kg wet						
Dibenz(a,h)Anthracene	ND	U	0.333	mg/Kg wet						
Dibenzofuran	ND	U	0.333	mg/Kg wet						
Diethyl Phthalate	ND	U	0.333	mg/Kg wet						
Dimethyl Phthalate	ND	U	0.333	mg/Kg wet						
di-n-Butyl Phthalate	ND	U	0.333	mg/Kg wet						
di-n-Octyl Phthalate	ND	U	0.333	mg/Kg wet						
Fluoranthene	ND	U	0.333	mg/Kg wet						
Fluorene	ND	U	0.333	mg/Kg wet						
Hexachlorobenzene	ND	U	0.333	mg/Kg wet						
Hexachlorobutadiene	ND	U	0.333	mg/Kg wet						
Hexachlorocyclopentadiene	ND	U	0.333	mg/Kg wet						
Hexachloroethane	ND	U	0.333	mg/Kg wet						
Indeno(1,2,3-cd)pyrene	ND	U	0.333	mg/Kg wet						
Isophorone	ND	U	0.333	mg/Kg wet						
Naphthalene	ND	U	0.333	mg/Kg wet						
Nitrobenzene	ND	U	0.333	mg/Kg wet						
N-Nitrosodimethylamine	ND	U	0.333	mg/Kg wet						
N-Nitrosodi-n-Propylamine	ND	U	0.333	mg/Kg wet						
N-Nitrosodiphenylamine	ND	U	0.333	mg/Kg wet						
Pentachlorophenol	ND	U	0.666	mg/Kg wet						
Phenanthrene	ND	U	0.333	mg/Kg wet						
Phenol	ND	U	0.333	mg/Kg wet						
Pyrene	ND	U	0.333	mg/Kg wet						
Surrogate: 2,4,6-Tribromophenol (A-SUR)			*2.79*	*mg/Kg wet*	*3.33*		*84*	*19-122*		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.34*	*mg/Kg wet*	*1.67*		*81*	*30-115*		
Surrogate: 2-Fluorophenol (A-SUR)			*2.75*	*mg/Kg wet*	*3.33*		*83*	*25-121*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.56*	*mg/Kg wet*	*1.67*		*94*	*23-120*		
Surrogate: Phenol-d5 (A-SURR)			*2.99*	*mg/Kg wet*	*3.33*		*90*	*15-110*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.67*	*mg/Kg wet*	*1.67*		*100*	*18-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
LCS (B6L0310-BS1)					Prepared: 12/15/2016 Analyzed: 12/16/2016					
1,2,4-Trichlorobenzene	1.47		0.333	mg/Kg wet	1.67		88	35-129		
1,2-Dichlorobenzene	1.52		0.333	mg/Kg wet	1.67		91	38-122		
1,3-Dichlorobenzene	1.48		0.333	mg/Kg wet	1.67		89	38-120		
1,4-Dichlorobenzene	1.46		0.333	mg/Kg wet	1.67		88	37-121		
2,4,5-Trichlorophenol	1.39		0.333	mg/Kg wet	1.67		84	40-135		
2,4,6-Trichlorophenol	1.40		0.333	mg/Kg wet	1.67		84	39-139		
2,4-Dichlorophenol	1.38		0.333	mg/Kg wet	1.67		83	36-135		
2,4-Dimethylphenol	1.53		0.333	mg/Kg wet	1.67		92	38-133		
2,4-Dinitrophenol	1.58		0.666	mg/Kg wet	1.67		95	13-152		
2,4-Dinitrotoluene	1.72		0.333	mg/Kg wet	1.67		103	48-131		
2,6-Dinitrotoluene	1.66		0.333	mg/Kg wet	1.67		99	42-136		
2-Chloronaphthalene	1.53		0.333	mg/Kg wet	1.67		92	32-138		
2-Chlorophenol	1.46		0.333	mg/Kg wet	1.67		88	38-125		
2-Methylnaphthalene	1.46		0.333	mg/Kg wet	1.67		88	36-126		
2-Methylphenol	1.57		0.333	mg/Kg wet	1.67		94	37-128		
2-Nitroaniline	1.75		0.666	mg/Kg wet	1.67		105	30-133		
2-Nitrophenol	1.54		0.333	mg/Kg wet	1.67		92	33-142		
3&4-Methylphenol	1.50		0.666	mg/Kg wet	1.67		90	38-126		
3-Nitroaniline	1.67		0.666	mg/Kg wet	1.67		100	41-135		
4,6-dinitro-2-methyl phenol	1.59		0.333	mg/Kg wet	1.67		96	30-146		
4-Bromophenyl-phenylether	1.43		0.333	mg/Kg wet	1.67		86	37-140		
4-chloro-3-methylphenol	1.50		0.333	mg/Kg wet	1.67		90	40-134		
4-Chloroaniline	1.50		0.333	mg/Kg wet	1.67		90	34-124		
4-Chlorophenyl Phenyl Ether	1.62		0.333	mg/Kg wet	1.67		97	41-131		
4-Nitroaniline	1.54		0.666	mg/Kg wet	1.67		92	46-132		
4-Nitrophenol	1.72		0.666	mg/Kg wet	1.67		103	21-152		
Acenaphthene	1.50		0.333	mg/Kg wet	1.67		90	37-131		
Acenaphthylene	1.69		0.333	mg/Kg wet	1.67		101	39-129		
Anthracene	1.62		0.333	mg/Kg wet	1.67		97	39-139		
Benzo(a)anthracene	1.68		0.333	mg/Kg wet	1.67		101	44-135		
Benzo(a)pyrene	1.68		0.333	mg/Kg wet	1.67		101	43-153		
Benzo(b)fluoranthene	1.54		0.333	mg/Kg wet	1.67		92	40-153		
Benzo(g,h,i)perylene	1.57		0.333	mg/Kg wet	1.67		94	40-153		
Benzo(k)fluoranthene	1.65		0.333	mg/Kg wet	1.67		99	33-156		
Benzyl Alcohol	1.45		0.333	mg/Kg wet	1.67		87	37-102		
Butyl Benzyl Phthalate	1.82		0.333	mg/Kg wet	1.67		109	43-145		
bis(2-chloroethoxy) methane	1.58		0.333	mg/Kg wet	1.67		94	30-129		
bis(2-chloroethyl) ether	1.77		0.333	mg/Kg wet	1.67		106	33-127		
bis(2-chloroisopropyl) ether	1.93		0.333	mg/Kg wet	1.67		116	25-124		
bis(2-ethylhexyl) phthalate	1.98		0.333	mg/Kg wet	1.67		119	46-145		
Chrysene	1.67		0.333	mg/Kg wet	1.67		100	42-135		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
LCS (B6L0310-BS1)					Prepared: 12/15/2016 Analyzed: 12/16/2016					
Dibenz(a,h)Anthracene	1.58		0.333	mg/Kg wet	1.67		95	41-155		
Dibenzofuran	1.46		0.333	mg/Kg wet	1.67		88	39-132		
Diethyl Phthalate	1.67		0.333	mg/Kg wet	1.67		100	45-131		
Dimethyl Phthalate	1.58		0.333	mg/Kg wet	1.67		95	43-132		
di-n-Butyl Phthalate	1.70		0.333	mg/Kg wet	1.67		102	43-142		
di-n-Octyl Phthalate	1.77		0.333	mg/Kg wet	1.67		106	34-166		
Fluoranthene	1.67		0.333	mg/Kg wet	1.67		100	41-138		
Fluorene	1.63		0.333	mg/Kg wet	1.67		98	41-131		
Hexachlorobenzene	1.46		0.333	mg/Kg wet	1.67		87	36-142		
Hexachlorobutadiene	1.48		0.333	mg/Kg wet	1.67		89	35-129		
Hexachlorocyclopentadiene	1.50		0.333	mg/Kg wet	1.67		90	16-106		
Hexachloroethane	1.66		0.333	mg/Kg wet	1.67		99	36-121		
Indeno(1,2,3-cd)pyrene	1.52		0.333	mg/Kg wet	1.67		91	39-154		
Isophorone	1.72		0.333	mg/Kg wet	1.67		103	36-128		
Naphthalene	1.50		0.333	mg/Kg wet	1.67		90	37-113		
Nitrobenzene	1.71		0.333	mg/Kg wet	1.67		102	32-129		
N-Nitrosodimethylamine	1.92	X	0.333	mg/Kg wet	1.67		115	28-76		
N-Nitrosodi-n-Propylamine	1.88		0.333	mg/Kg wet	1.67		113	34-129		
N-Nitrosodiphenylamine	1.82		0.333	mg/Kg wet	1.67		109	27-155		
Pentachlorophenol	1.12		0.666	mg/Kg wet	1.67		67	14-148		
Phenanthrene	1.55		0.333	mg/Kg wet	1.67		93	37-139		
Phenol	1.52		0.333	mg/Kg wet	1.67		91	34-127		
Pyrene	1.69		0.333	mg/Kg wet	1.67		101	42-138		
Surrogate: 2,4,6-Tribromophenol (A-SUR)			*3.01*	*mg/Kg wet*	*3.33*		*90*	*19-122*		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.38*	*mg/Kg wet*	*1.67*		*83*	*30-115*		
Surrogate: 2-Fluorophenol (A-SUR)			*2.68*	*mg/Kg wet*	*3.33*		*80*	*25-121*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.57*	*mg/Kg wet*	*1.67*		*94*	*23-120*		
Surrogate: Phenol-d5 (A-SURR)			*3.05*	*mg/Kg wet*	*3.33*		*92*	*15-110*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.58*	*mg/Kg wet*	*1.67*		*95*	*18-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
LCS Dup (B6L0310-BSD1)				Prepared: 12/15/2016 Analyzed: 12/16/2016						
1,2,4-Trichlorobenzene	1.43		0.333	mg/Kg wet	1.67		86	35-129	3	30
1,2-Dichlorobenzene	1.41		0.333	mg/Kg wet	1.67		85	38-122	8	30
1,3-Dichlorobenzene	1.43		0.333	mg/Kg wet	1.67		86	38-120	3	30
1,4-Dichlorobenzene	1.38		0.333	mg/Kg wet	1.67		82	37-121	6	30
2,4,5-Trichlorophenol	1.31		0.333	mg/Kg wet	1.67		79	40-135	6	30
2,4,6-Trichlorophenol	1.35		0.333	mg/Kg wet	1.67		81	39-139	3	30
2,4-Dichlorophenol	1.35		0.333	mg/Kg wet	1.67		81	36-135	2	30
2,4-Dimethylphenol	1.41		0.333	mg/Kg wet	1.67		85	38-133	8	30
2,4-Dinitrophenol	1.77		0.666	mg/Kg wet	1.67		106	13-152	11	30
2,4-Dinitrotoluene	1.66		0.333	mg/Kg wet	1.67		99	48-131	4	30
2,6-Dinitrotoluene	1.62		0.333	mg/Kg wet	1.67		97	42-136	2	30
2-Chloronaphthalene	1.45		0.333	mg/Kg wet	1.67		87	32-138	5	30
2-Chlorophenol	1.36		0.333	mg/Kg wet	1.67		81	38-125	7	30
2-Methylnaphthalene	1.38		0.333	mg/Kg wet	1.67		83	36-126	6	30
2-Methylphenol	1.42		0.333	mg/Kg wet	1.67		85	37-128	10	30
2-Nitroaniline	1.72		0.666	mg/Kg wet	1.67		103	30-133	2	30
2-Nitrophenol	1.47		0.333	mg/Kg wet	1.67		88	33-142	4	30
3&4-Methylphenol	1.42		0.666	mg/Kg wet	1.67		85	38-126	5	30
3-Nitroaniline	1.62		0.666	mg/Kg wet	1.67		97	41-135	3	30
4,6-dinitro-2-methyl phenol	1.64		0.333	mg/Kg wet	1.67		99	30-146	3	30
4-Bromophenyl-phenylether	1.40		0.333	mg/Kg wet	1.67		84	37-140	2	30
4-chloro-3-methylphenol	1.42		0.333	mg/Kg wet	1.67		85	40-134	5	30
4-Chloroaniline	1.57		0.333	mg/Kg wet	1.67		94	34-124	4	30
4-Chlorophenyl Phenyl Ether	1.55		0.333	mg/Kg wet	1.67		93	41-131	4	30
4-Nitroaniline	1.53		0.666	mg/Kg wet	1.67		92	46-132	0.5	30
4-Nitrophenol	1.75		0.666	mg/Kg wet	1.67		105	21-152	2	30
Acenaphthene	1.45		0.333	mg/Kg wet	1.67		87	37-131	4	30
Acenaphthylene	1.61		0.333	mg/Kg wet	1.67		97	39-129	5	30
Anthracene	1.63		0.333	mg/Kg wet	1.67		98	39-139	1	30
Benzo(a)anthracene	1.80		0.333	mg/Kg wet	1.67		108	44-135	7	30
Benzo(a)pyrene	1.74		0.333	mg/Kg wet	1.67		105	43-153	3	30
Benzo(b)fluoranthene	1.63		0.333	mg/Kg wet	1.67		98	40-153	6	30
Benzo(g,h,i)perylene	1.68		0.333	mg/Kg wet	1.67		101	40-153	7	30
Benzo(k)fluoranthene	1.76		0.333	mg/Kg wet	1.67		106	33-156	7	30
Benzyl Alcohol	1.35		0.333	mg/Kg wet	1.67		81	37-102	7	30
Butyl Benzyl Phthalate	1.91		0.333	mg/Kg wet	1.67		114	43-145	5	30
bis(2-chloroethoxy) methane	1.53		0.333	mg/Kg wet	1.67		92	30-129	3	30
bis(2-chloroethyl) ether	1.65		0.333	mg/Kg wet	1.67		99	33-127	7	30
bis(2-chloroisopropyl) ether	1.83		0.333	mg/Kg wet	1.67		110	25-124	5	30
bis(2-ethylhexyl) phthalate	2.07		0.333	mg/Kg wet	1.67		124	46-145	4	30
Chrysene	1.77		0.333	mg/Kg wet	1.67		106	42-135	6	30

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
LCS Dup (B6L0310-BSD1)				Prepared: 12/15/2016 Analyzed: 12/16/2016						
Dibenz(a,h)Anthracene	1.73		0.333	mg/Kg wet	1.67		104	41-155	9	30
Dibenzofuran	1.40		0.333	mg/Kg wet	1.67		84	39-132	4	30
Diethyl Phthalate	1.68		0.333	mg/Kg wet	1.67		101	45-131	0.7	30
Dimethyl Phthalate	1.58		0.333	mg/Kg wet	1.67		95	43-132	0.2	30
di-n-Butyl Phthalate	1.82		0.333	mg/Kg wet	1.67		109	43-142	7	30
di-n-Octyl Phthalate	1.87		0.333	mg/Kg wet	1.67		112	34-166	5	30
Fluoranthene	1.75		0.333	mg/Kg wet	1.67		105	41-138	5	30
Fluorene	1.56		0.333	mg/Kg wet	1.67		94	41-131	4	30
Hexachlorobenzene	1.44		0.333	mg/Kg wet	1.67		86	36-142	1	30
Hexachlorobutadiene	1.43		0.333	mg/Kg wet	1.67		86	35-129	4	30
Hexachlorocyclopentadiene	1.45		0.333	mg/Kg wet	1.67		87	16-106	4	30
Hexachloroethane	1.56		0.333	mg/Kg wet	1.67		93	36-121	6	30
Indeno(1,2,3-cd)pyrene	1.69		0.333	mg/Kg wet	1.67		101	39-154	11	30
Isophorone	1.68		0.333	mg/Kg wet	1.67		101	36-128	2	30
Naphthalene	1.46		0.333	mg/Kg wet	1.67		87	37-113	3	30
Nitrobenzene	1.63		0.333	mg/Kg wet	1.67		98	32-129	5	30
N-Nitrosodimethylamine	1.67	X	0.333	mg/Kg wet	1.67		100	28-76	14	30
N-Nitrosodi-n-Propylamine	1.69		0.333	mg/Kg wet	1.67		102	34-129	10	30
N-Nitrosodiphenylamine	1.82		0.333	mg/Kg wet	1.67		109	27-155	0.3	30
Pentachlorophenol	1.14		0.666	mg/Kg wet	1.67		69	14-148	2	30
Phenanthrene	1.57		0.333	mg/Kg wet	1.67		94	37-139	1	30
Phenol	1.43		0.333	mg/Kg wet	1.67		86	34-127	6	30
Pyrene	1.84		0.333	mg/Kg wet	1.67		111	42-138	9	30
Surrogate: 2,4,6-Tribromophenol (A-SUR)			*3.02*	*mg/Kg wet*	*3.33*		*90*	*19-122*		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.36*	*mg/Kg wet*	*1.67*		*81*	*30-115*		
Surrogate: 2-Fluorophenol (A-SUR)			*2.56*	*mg/Kg wet*	*3.33*		*77*	*25-121*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.53*	*mg/Kg wet*	*1.67*		*92*	*23-120*		
Surrogate: Phenol-d5 (A-SURR)			*2.94*	*mg/Kg wet*	*3.33*		*88*	*15-110*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.69*	*mg/Kg wet*	*1.67*		*102*	*18-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
Matrix Spike (B6L0310-MS1)		**Source: L6L0134-10**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
1,2,4-Trichlorobenzene	1.73		0.413	mg/Kg dry	2.07	ND	84	35-129		
1,2-Dichlorobenzene	1.75		0.413	mg/Kg dry	2.07	ND	84	38-122		
1,3-Dichlorobenzene	1.65		0.413	mg/Kg dry	2.07	ND	80	38-120		
1,4-Dichlorobenzene	1.66		0.413	mg/Kg dry	2.07	ND	80	37-121		
2,4,5-Trichlorophenol	1.77		0.413	mg/Kg dry	2.07	ND	86	40-135		
2,4,6-Trichlorophenol	1.75		0.413	mg/Kg dry	2.07	ND	85	39-139		
2,4-Dichlorophenol	1.68		0.413	mg/Kg dry	2.07	ND	81	36-135		
2,4-Dimethylphenol	1.84		0.413	mg/Kg dry	2.07	ND	89	38-133		
2,4-Dinitrophenol	1.94		0.827	mg/Kg dry	2.07	ND	94	13-152		
2,4-Dinitrotoluene	2.22		0.413	mg/Kg dry	2.07	ND	108	48-131		
2,6-Dinitrotoluene	2.10		0.413	mg/Kg dry	2.07	ND	101	42-136		
2-Chloronaphthalene	1.86		0.413	mg/Kg dry	2.07	ND	90	32-138		
2-Chlorophenol	1.64		0.413	mg/Kg dry	2.07	ND	79	38-125		
2-Methylnaphthalene	1.73		0.413	mg/Kg dry	2.07	ND	84	36-126		
2-Methylphenol	1.80		0.413	mg/Kg dry	2.07	ND	87	37-128		
2-Nitroaniline	2.23		0.827	mg/Kg dry	2.07	ND	108	30-133		
2-Nitrophenol	1.76		0.413	mg/Kg dry	2.07	ND	85	33-142		
3&4-Methylphenol	1.82		0.827	mg/Kg dry	2.07	ND	88	38-126		
3-Nitroaniline	2.08		0.827	mg/Kg dry	2.07	ND	100	41-135		
4,6-dinitro-2-methyl phenol	2.09		0.413	mg/Kg dry	2.07	ND	101	30-146		
4-Bromophenyl-phenylether	1.77		0.413	mg/Kg dry	2.07	ND	86	37-140		
4-chloro-3-methylphenol	1.86		0.413	mg/Kg dry	2.07	ND	90	40-134		
4-Chloroaniline	1.89		0.413	mg/Kg dry	2.07	ND	91	34-124		
4-Chlorophenyl Phenyl Ether	1.95		0.413	mg/Kg dry	2.07	ND	94	41-131		
4-Nitroaniline	2.08		0.827	mg/Kg dry	2.07	ND	100	46-132		
4-Nitrophenol	2.20		0.827	mg/Kg dry	2.07	ND	106	21-152		
Acenaphthene	1.90		0.413	mg/Kg dry	2.07	ND	92	37-131		
Acenaphthylene	2.08		0.413	mg/Kg dry	2.07	ND	101	39-129		
Anthracene	2.04		0.413	mg/Kg dry	2.07	ND	98	39-139		
Benzo(a)anthracene	2.21		0.413	mg/Kg dry	2.07	ND	107	44-135		
Benzo(a)pyrene	2.16		0.413	mg/Kg dry	2.07	ND	105	43-153		
Benzo(b)fluoranthene	2.04		0.413	mg/Kg dry	2.07	ND	98	40-153		
Benzo(g,h,i)perylene	2.14		0.413	mg/Kg dry	2.07	ND	103	40-153		
Benzo(k)fluoranthene	2.12		0.413	mg/Kg dry	2.07	ND	102	33-156		
Benzyl Alcohol	1.71		0.413	mg/Kg dry	2.07	ND	83	37-102		
Butyl Benzyl Phthalate	2.39		0.413	mg/Kg dry	2.07	ND	116	43-145		
bis(2-chloroethoxy) methane	1.90		0.413	mg/Kg dry	2.07	ND	92	30-129		
bis(2-chloroethyl) ether	2.02		0.413	mg/Kg dry	2.07	ND	98	33-127		
bis(2-chloroisopropyl) ether	2.23		0.413	mg/Kg dry	2.07	ND	108	25-124		
bis(2-ethylhexyl) phthalate	2.59		0.413	mg/Kg dry	2.07	ND	125	46-145		
Chrysene	2.23		0.413	mg/Kg dry	2.07	ND	108	42-135		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
Matrix Spike (B6L0310-MS1)		**Source: L6L0134-10**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
Dibenz(a,h)Anthracene	2.13		0.413	mg/Kg dry	2.07	ND	103	41-155		
Dibenzofuran	1.81		0.413	mg/Kg dry	2.07	ND	87	39-132		
Diethyl Phthalate	2.19		0.413	mg/Kg dry	2.07	ND	106	45-131		
Dimethyl Phthalate	2.06		0.413	mg/Kg dry	2.07	ND	100	43-132		
di-n-Butyl Phthalate	2.20		0.413	mg/Kg dry	2.07	ND	107	43-142		
di-n-Octyl Phthalate	2.27		0.413	mg/Kg dry	2.07	ND	110	34-166		
Fluoranthene	2.14		0.413	mg/Kg dry	2.07	ND	103	41-138		
Fluorene	1.98		0.413	mg/Kg dry	2.07	ND	96	41-131		
Hexachlorobenzene	1.82		0.413	mg/Kg dry	2.07	ND	88	36-142		
Hexachlorobutadiene	1.73		0.413	mg/Kg dry	2.07	ND	84	35-129		
Hexachlorocyclopentadiene	1.82		0.413	mg/Kg dry	2.07	ND	88	16-106		
Hexachloroethane	1.87		0.413	mg/Kg dry	2.07	ND	91	36-121		
Indeno(1,2,3-cd)pyrene	2.08		0.413	mg/Kg dry	2.07	ND	101	39-154		
Isophorone	2.09		0.413	mg/Kg dry	2.07	ND	101	36-128		
Naphthalene	1.78		0.413	mg/Kg dry	2.07	ND	86	37-113		
Nitrobenzene	1.99		0.413	mg/Kg dry	2.07	ND	96	32-129		
N-Nitrosodimethylamine	2.09	X	0.413	mg/Kg dry	2.07	ND	101	28-76		
N-Nitrosodi-n-Propylamine	2.17		0.413	mg/Kg dry	2.07	ND	105	34-129		
N-Nitrosodiphenylamine	2.31		0.413	mg/Kg dry	2.07	ND	111	27-155		
Pentachlorophenol	1.40		0.827	mg/Kg dry	2.07	ND	68	14-148		
Phenanthrene	1.97		0.413	mg/Kg dry	2.07	ND	95	37-139		
Phenol	1.76		0.413	mg/Kg dry	2.07	ND	85	34-127		
Pyrene	2.24		0.413	mg/Kg dry	2.07	ND	108	42-128		
Surrogate: 2,4,6-Tribromophenol (A-SUR)			*3.77*	*mg/Kg dry*	*4.14*		*91*	*19-122*		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.68*	*mg/Kg dry*	*2.07*		*81*	*30-115*		
Surrogate: 2-Fluorophenol (A-SUR)			*2.99*	*mg/Kg dry*	*4.14*		*72*	*25-121*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.85*	*mg/Kg dry*	*2.07*		*90*	*23-120*		
Surrogate: Phenol-d5 (A-SURR)			*3.51*	*mg/Kg dry*	*4.14*		*85*	*15-110*		
Surrogate: Terphenyl-D14 (B-SUR)			*2.11*	*mg/Kg dry*	*2.07*		*102*	*18-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
Matrix Spike Dup (B6L0310-MSD1)		**Source: L6L0134-10**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
1,2,4-Trichlorobenzene	1.64		0.413	mg/Kg dry	2.07	ND	80	35-129	5	30
1,2-Dichlorobenzene	1.61		0.413	mg/Kg dry	2.07	ND	78	38-122	8	30
1,3-Dichlorobenzene	1.53		0.413	mg/Kg dry	2.07	ND	74	38-120	7	30
1,4-Dichlorobenzene	1.56		0.413	mg/Kg dry	2.07	ND	75	37-121	6	30
2,4,5-Trichlorophenol	1.71		0.413	mg/Kg dry	2.07	ND	83	40-135	3	30
2,4,6-Trichlorophenol	1.66		0.413	mg/Kg dry	2.07	ND	80	39-139	5	30
2,4-Dichlorophenol	1.62		0.413	mg/Kg dry	2.07	ND	78	36-135	4	30
2,4-Dimethylphenol	1.70		0.413	mg/Kg dry	2.07	ND	82	38-133	8	30
2,4-Dinitrophenol	2.00		0.826	mg/Kg dry	2.07	ND	97	13-152	3	30
2,4-Dinitrotoluene	2.11		0.413	mg/Kg dry	2.07	ND	102	48-131	5	30
2,6-Dinitrotoluene	1.93		0.413	mg/Kg dry	2.07	ND	94	42-136	8	30
2-Chloronaphthalene	1.78		0.413	mg/Kg dry	2.07	ND	86	32-138	4	30
2-Chlorophenol	1.58		0.413	mg/Kg dry	2.07	ND	76	38-125	4	30
2-Methylnaphthalene	1.66		0.413	mg/Kg dry	2.07	ND	80	36-126	4	30
2-Methylphenol	1.69		0.413	mg/Kg dry	2.07	ND	82	37-128	6	30
2-Nitroaniline	2.11		0.826	mg/Kg dry	2.07	ND	102	30-133	6	30
2-Nitrophenol	1.72		0.413	mg/Kg dry	2.07	ND	83	33-142	3	30
3&4-Methylphenol	1.66		0.826	mg/Kg dry	2.07	ND	80	38-126	9	30
3-Nitroaniline	1.96		0.826	mg/Kg dry	2.07	ND	95	41-135	6	30
4,6-dinitro-2-methyl phenol	2.02		0.413	mg/Kg dry	2.07	ND	98	30-146	4	30
4-Bromophenyl-phenylether	1.77		0.413	mg/Kg dry	2.07	ND	86	37-140	0.1	30
4-chloro-3-methylphenol	1.73		0.413	mg/Kg dry	2.07	ND	84	40-134	7	30
4-Chloroaniline	1.81		0.413	mg/Kg dry	2.07	ND	88	34-124	4	30
4-Chlorophenyl Phenyl Ether	1.92		0.413	mg/Kg dry	2.07	ND	93	41-131	2	30
4-Nitroaniline	1.78		0.826	mg/Kg dry	2.07	ND	86	46-132	15	30
4-Nitrophenol	2.08		0.826	mg/Kg dry	2.07	ND	101	21-152	6	30
Acenaphthene	1.79		0.413	mg/Kg dry	2.07	ND	87	37-131	6	30
Acenaphthylene	1.95		0.413	mg/Kg dry	2.07	ND	95	39-129	6	30
Anthracene	1.97		0.413	mg/Kg dry	2.07	ND	95	39-139	3	30
Benzo(a)anthracene	2.06		0.413	mg/Kg dry	2.07	ND	100	44-135	7	30
Benzo(a)pyrene	2.01		0.413	mg/Kg dry	2.07	ND	97	43-153	7	30
Benzo(b)fluoranthene	1.95		0.413	mg/Kg dry	2.07	ND	94	40-153	4	30
Benzo(g,h,i)perylene	1.86		0.413	mg/Kg dry	2.07	ND	90	40-153	14	30
Benzo(k)fluoranthene	2.11		0.413	mg/Kg dry	2.07	ND	102	33-156	0.5	30
Benzyl Alcohol	1.66		0.413	mg/Kg dry	2.07	ND	80	37-102	3	30
Butyl Benzyl Phthalate	2.33		0.413	mg/Kg dry	2.07	ND	113	43-145	3	30
bis(2-chloroethoxy) methane	1.80		0.413	mg/Kg dry	2.07	ND	87	30-129	5	30
bis(2-chloroethyl) ether	1.91		0.413	mg/Kg dry	2.07	ND	92	33-127	6	30
bis(2-chloroisopropyl) ether	2.10		0.413	mg/Kg dry	2.07	ND	102	25-124	6	30
bis(2-ethylhexyl) phthalate	2.54		0.413	mg/Kg dry	2.07	ND	123	46-145	2	30
Chrysene	2.07		0.413	mg/Kg dry	2.07	ND	100	42-135	8	30

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

SVOCs by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0310 (Continued)										
Matrix Spike Dup (B6L0310-MSD1)		**Source: L6L0134-10**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
Dibenz(a,h)Anthracene	1.94		0.413	mg/Kg dry	2.07	ND	94	41-155	10	30
Dibenzofuran	1.72		0.413	mg/Kg dry	2.07	ND	83	39-132	5	30
Diethyl Phthalate	2.03		0.413	mg/Kg dry	2.07	ND	98	45-131	7	30
Dimethyl Phthalate	1.95		0.413	mg/Kg dry	2.07	ND	94	43-132	6	30
di-n-Butyl Phthalate	2.08		0.413	mg/Kg dry	2.07	ND	101	43-142	6	30
di-n-Octyl Phthalate	2.24		0.413	mg/Kg dry	2.07	ND	108	34-166	2	30
Fluoranthene	2.00		0.413	mg/Kg dry	2.07	ND	97	41-138	7	30
Fluorene	1.92		0.413	mg/Kg dry	2.07	ND	93	41-131	3	30
Hexachlorobenzene	1.77		0.413	mg/Kg dry	2.07	ND	86	36-142	3	30
Hexachlorobutadiene	1.65		0.413	mg/Kg dry	2.07	ND	80	35-129	5	30
Hexachlorocyclopentadiene	1.72		0.413	mg/Kg dry	2.07	ND	83	16-106	6	30
Hexachloroethane	1.74		0.413	mg/Kg dry	2.07	ND	84	36-121	7	30
Indeno(1,2,3-cd)pyrene	1.87		0.413	mg/Kg dry	2.07	ND	91	39-154	11	30
Isophorone	1.99		0.413	mg/Kg dry	2.07	ND	96	36-128	5	30
Naphthalene	1.66		0.413	mg/Kg dry	2.07	ND	80	37-113	7	30
Nitrobenzene	1.81		0.413	mg/Kg dry	2.07	ND	88	32-129	9	30
N-Nitrosodimethylamine	1.95	X	0.413	mg/Kg dry	2.07	ND	94	28-76	7	30
N-Nitrosodi-n-Propylamine	2.07		0.413	mg/Kg dry	2.07	ND	100	34-129	5	30
N-Nitrosodiphenylamine	2.28		0.413	mg/Kg dry	2.07	ND	110	27-155	1	30
Pentachlorophenol	1.43		0.826	mg/Kg dry	2.07	ND	69	14-148	2	30
Phenanthrene	1.90		0.413	mg/Kg dry	2.07	ND	92	37-139	4	30
Phenol	1.65		0.413	mg/Kg dry	2.07	ND	80	34-127	7	30
Pyrene	2.16		0.413	mg/Kg dry	2.07	ND	105	42-128	3	30
Surrogate: 2,4,6-Tribromophenol (A-SUR)			*3.66*	*mg/Kg dry*	*4.13*		*88*	*19-122*		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.58*	*mg/Kg dry*	*2.07*		*77*	*30-115*		
Surrogate: 2-Fluorophenol (A-SUR)			*2.72*	*mg/Kg dry*	*4.13*		*66*	*25-121*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.69*	*mg/Kg dry*	*2.07*		*82*	*23-120*		
Surrogate: Phenol-d5 (A-SURR)			*3.33*	*mg/Kg dry*	*4.13*		*81*	*15-110*		
Surrogate: Terphenyl-D14 (B-SUR)			*2.00*	*mg/Kg dry*	*2.07*		*97*	*18-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

PAHs (SVOCs) by Method 8270D

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0313										
Blank (B6L0313-BLK1)					Prepared & Analyzed: 12/15/2016					
2-Methylnaphthalene	ND	U	0.333	mg/Kg wet						
Acenaphthene	ND	U	0.333	mg/Kg wet						
Acenaphthylene	ND	U	0.333	mg/Kg wet						
Anthracene	ND	U	0.333	mg/Kg wet						
Benzo(a)anthracene	ND	U	0.333	mg/Kg wet						
Benzo(a)pyrene	ND	U	0.333	mg/Kg wet						
Benzo(b)fluoranthene	ND	U	0.333	mg/Kg wet						
Benzo(g,h,i)perylene	ND	U	0.333	mg/Kg wet						
Benzo(k)fluoranthene	ND	U	0.333	mg/Kg wet						
Chrysene	ND	U	0.333	mg/Kg wet						
Dibenz(a,h)Anthracene	ND	U	0.333	mg/Kg wet						
Fluoranthene	ND	U	0.333	mg/Kg wet						
Fluorene	ND	U	0.333	mg/Kg wet						
Indeno(1,2,3-cd)pyrene	ND	U	0.333	mg/Kg wet						
Naphthalene	ND	U	0.333	mg/Kg wet						
Phenanthrene	ND	U	0.333	mg/Kg wet						
Pyrene	ND	U	0.333	mg/Kg wet						
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.38*	*mg/Kg wet*	*1.67*		*83*	*16-110*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.42*	*mg/Kg wet*	*1.67*		*85*	*19-105*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.68*	*mg/Kg wet*	*1.67*		*101*	*20-137*		
LCS (B6L0313-BS1)					Prepared & Analyzed: 12/15/2016					
2-Methylnaphthalene	1.33		0.333	mg/Kg wet	1.67		80	37-112		
Acenaphthene	1.44		0.333	mg/Kg wet	1.67		86	41-116		
Acenaphthylene	1.68		0.333	mg/Kg wet	1.67		101	42-126		
Anthracene	1.68		0.333	mg/Kg wet	1.67		101	39-127		
Benzo(a)anthracene	1.71		0.333	mg/Kg wet	1.67		103	40-129		
Benzo(a)pyrene	1.61		0.333	mg/Kg wet	1.67		96	36-141		
Benzo(b)fluoranthene	1.73		0.333	mg/Kg wet	1.67		104	34-139		
Benzo(g,h,i)perylene	1.69		0.333	mg/Kg wet	1.67		101	32-141		
Benzo(k)fluoranthene	1.60		0.333	mg/Kg wet	1.67		96	31-139		
Chrysene	1.74		0.333	mg/Kg wet	1.67		105	41-124		
Dibenz(a,h)Anthracene	1.72		0.333	mg/Kg wet	1.67		103	35-143		
Fluoranthene	1.68		0.333	mg/Kg wet	1.67		101	38-132		
Fluorene	1.48		0.333	mg/Kg wet	1.67		89	41-121		
Indeno(1,2,3-cd)pyrene	1.66		0.333	mg/Kg wet	1.67		100	27-160		
Naphthalene	1.42		0.333	mg/Kg wet	1.67		85	37-113		
Phenanthrene	1.59		0.333	mg/Kg wet	1.67		96	50-115		
Pyrene	1.92		0.333	mg/Kg wet	1.67		115	42-138		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.43*	*mg/Kg wet*	*1.67*		*86*	*16-110*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

PAHs (SVOCs) by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0313 (Continued)										
LCS (B6L0313-BS1)					Prepared & Analyzed: 12/15/2016					
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.47*	*mg/Kg wet*	*1.67*		*88*	*19-105*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.78*	*mg/Kg wet*	*1.67*		*107*	*20-137*		
LCS Dup (B6L0313-BSD1)					Prepared & Analyzed: 12/15/2016					
2-Methylnaphthalene	1.21		0.333	mg/Kg wet	1.67		73	37-112	10	30
Acenaphthene	1.30		0.333	mg/Kg wet	1.67		78	41-116	10	30
Acenaphthylene	1.49		0.333	mg/Kg wet	1.67		89	42-126	12	30
Anthracene	1.47		0.333	mg/Kg wet	1.67		88	39-127	13	30
Benzo(a)anthracene	1.62		0.333	mg/Kg wet	1.67		97	40-129	5	30
Benzo(a)pyrene	1.52		0.333	mg/Kg wet	1.67		91	36-141	5	30
Benzo(b)fluoranthene	1.42		0.333	mg/Kg wet	1.67		85	34-139	20	30
Benzo(g,h,i)perylene	1.55		0.333	mg/Kg wet	1.67		93	32-141	9	30
Benzo(k)fluoranthene	1.72		0.333	mg/Kg wet	1.67		103	31-139	7	30
Chrysene	1.71		0.333	mg/Kg wet	1.67		102	41-124	2	30
Dibenz(a,h)Anthracene	1.59		0.333	mg/Kg wet	1.67		95	35-143	8	30
Fluoranthene	1.52		0.333	mg/Kg wet	1.67		91	38-132	10	30
Fluorene	1.33		0.333	mg/Kg wet	1.67		80	41-121	11	30
Indeno(1,2,3-cd)pyrene	1.54		0.333	mg/Kg wet	1.67		92	27-160	8	30
Naphthalene	1.33		0.333	mg/Kg wet	1.67		80	37-113	7	30
Phenanthrene	1.38		0.333	mg/Kg wet	1.67		83	50-115	15	30
Pyrene	1.77		0.333	mg/Kg wet	1.67		106	42-138	8	30
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.23*	*mg/Kg wet*	*1.67*		*74*	*16-110*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.36*	*mg/Kg wet*	*1.67*		*81*	*19-105*		
Surrogate: Terphenyl-D14 (B-SUR)			*1.65*	*mg/Kg wet*	*1.67*		*99*	*20-137*		
Matrix Spike (B6L0313-MS1)		**Source: L6L0134-05**			Prepared: 12/15/2016 Analyzed: 12/16/2016					
2-Methylnaphthalene	1.53		0.413	mg/Kg dry	2.07	ND	74	37-112		
Acenaphthene	1.68		0.413	mg/Kg dry	2.07	0.0165	80	41-116		
Acenaphthylene	2.00		0.413	mg/Kg dry	2.07	0.0169	96	41-118		
Anthracene	2.00		0.413	mg/Kg dry	2.07	0.0178	96	39-127		
Benzo(a)anthracene	2.09		0.413	mg/Kg dry	2.07	0.0236	100	40-129		
Benzo(a)pyrene	1.95		0.413	mg/Kg dry	2.07	ND	94	36-141		
Benzo(b)fluoranthene	1.95		0.413	mg/Kg dry	2.07	ND	94	34-139		
Benzo(g,h,i)perylene	1.87		0.413	mg/Kg dry	2.07	ND	90	32-141		
Benzo(k)fluoranthene	2.18		0.413	mg/Kg dry	2.07	0.0236	104	31-139		
Chrysene	2.11		0.413	mg/Kg dry	2.07	0.0207	101	41-124		
Dibenz(a,h)Anthracene	1.86		0.413	mg/Kg dry	2.07	ND	90	35-143		
Fluoranthene	2.11		0.413	mg/Kg dry	2.07	0.0165	101	38-132		
Fluorene	1.88		0.413	mg/Kg dry	2.07	0.0153	90	41-121		
Indeno(1,2,3-cd)pyrene	1.85		0.413	mg/Kg dry	2.07	ND	89	27-160		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

PAHs (SVOCs) by Method 8270D (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0313 (Continued)										
Matrix Spike (B6L0313-MS1)		**Source: L6L0134-05**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
Naphthalene	1.60		0.413	mg/Kg dry	2.07	ND	77	37-113		
Phenanthrene	1.98		0.413	mg/Kg dry	2.07	0.0194	95	50-115		
Pyrene	2.45		0.413	mg/Kg dry	2.07	0.0215	117	42-138		
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.57*	*mg/Kg dry*	*2.07*		*76*	*16-110*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.61*	*mg/Kg dry*	*2.07*		*78*	*19-105*		
Surrogate: Terphenyl-D14 (B-SUR)			*2.24*	*mg/Kg dry*	*2.07*		*108*	*20-137*		
Matrix Spike Dup (B6L0313-MSD1)		**Source: L6L0134-05**		Prepared: 12/15/2016 Analyzed: 12/16/2016						
2-Methylnaphthalene	1.44		0.414	mg/Kg dry	2.07	ND	70	37-112	6	30
Acenaphthene	1.83		0.414	mg/Kg dry	2.07	0.0165	88	41-116	9	30
Acenaphthylene	2.05		0.414	mg/Kg dry	2.07	0.0169	98	41-118	2	30
Anthracene	2.18		0.414	mg/Kg dry	2.07	0.0178	104	39-127	9	30
Benzo(a)anthracene	2.26		0.414	mg/Kg dry	2.07	0.0236	108	40-129	8	30
Benzo(a)pyrene	2.13		0.414	mg/Kg dry	2.07	ND	103	36-141	9	30
Benzo(b)fluoranthene	2.20		0.414	mg/Kg dry	2.07	ND	106	34-139	12	30
Benzo(g,h,i)perylene	2.17		0.414	mg/Kg dry	2.07	ND	105	32-141	15	30
Benzo(k)fluoranthene	2.19		0.414	mg/Kg dry	2.07	0.0236	105	31-139	0.7	30
Chrysene	2.28		0.414	mg/Kg dry	2.07	0.0207	109	41-124	8	30
Dibenz(a,h)Anthracene	2.16		0.414	mg/Kg dry	2.07	ND	104	35-143	15	30
Fluoranthene	2.33		0.414	mg/Kg dry	2.07	0.0165	112	38-132	10	30
Fluorene	1.97		0.414	mg/Kg dry	2.07	0.0153	94	41-121	4	30
Indeno(1,2,3-cd)pyrene	2.13		0.414	mg/Kg dry	2.07	ND	103	27-160	14	30
Naphthalene	1.43		0.414	mg/Kg dry	2.07	ND	69	37-113	11	30
Phenanthrene	2.15		0.414	mg/Kg dry	2.07	0.0194	103	50-115	8	30
Pyrene	2.42		0.414	mg/Kg dry	2.07	0.0215	116	42-138	1	30
Surrogate: 2-Fluorobiphenyl (B-SUR)			*1.50*	*mg/Kg dry*	*2.07*		*73*	*16-110*		
Surrogate: Nitrobenzene-d5 (B-SUR)			*1.29*	*mg/Kg dry*	*2.07*		*62*	*19-105*		
Surrogate: Terphenyl-D14 (B-SUR)			*2.11*	*mg/Kg dry*	*2.07*		*102*	*20-137*		

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

7 RCRA Metals by Method 6010C

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0221										
Blank (B6L0221-BLK1)				Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	ND	U	5.00	mg/Kg wet						
Barium	ND	U	10.0	mg/Kg wet						
Cadmium	ND	U	1.00	mg/Kg wet						
Chromium	ND	U	5.00	mg/Kg wet						
Lead	ND	U	5.00	mg/Kg wet						
Selenium	ND	U	5.00	mg/Kg wet						
Silver	ND	U	5.00	mg/Kg wet						
LCS (B6L0221-BS1)				Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	98.1		5.00	mg/Kg wet	100		98	80-120		
Barium	95.3		10.0	mg/Kg wet	100		95	80-120		
Cadmium	94.7		1.00	mg/Kg wet	100		95	80-120		
Chromium	102		5.00	mg/Kg wet	100		102	80-120		
Lead	95.1		5.00	mg/Kg wet	100		95	80-120		
Selenium	96.2		5.00	mg/Kg wet	100		96	80-120		
Silver	95.5		5.00	mg/Kg wet	100		96	80-120		
LCS Dup (B6L0221-BSD1)				Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	97.5		5.00	mg/Kg wet	100		98	80-120	0.6	20
Barium	95.3		10.0	mg/Kg wet	100		95	80-120	0.03	20
Cadmium	94.2		1.00	mg/Kg wet	100		94	80-120	0.5	20
Chromium	104		5.00	mg/Kg wet	100		104	80-120	2	20
Lead	94.8		5.00	mg/Kg wet	100		95	80-120	0.3	20
Selenium	96.8		5.00	mg/Kg wet	100		97	80-120	0.6	20
Silver	94.7		5.00	mg/Kg wet	100		95	80-120	0.9	20
Duplicate (B6L0221-DUP1)		**Source: L6L0105-01**		Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	ND	U	5.57	mg/Kg dry		ND				30
Barium	161		11.1	mg/Kg dry		160			0.8	30
Cadmium	1.07	J	1.11	mg/Kg dry		1.13			6	30
Chromium	53.6		5.57	mg/Kg dry		52.4			2	30
Lead	11.2		5.57	mg/Kg dry		10.8			3	30
Selenium	ND	U	5.57	mg/Kg dry		1.59				30
Silver	ND	U	5.57	mg/Kg dry		0.0429				30

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

7 RCRA Metals by Method 6010C (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0221 (Continued)										
Matrix Spike (B6L0221-MS1)		**Source: L6L0105-01**		Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	111		5.67	mg/Kg dry	113	ND	98	80-120		
Barium	270		11.3	mg/Kg dry	113	160	97	80-120		
Cadmium	104		1.13	mg/Kg dry	113	1.13	91	80-120		
Chromium	219	X	5.67	mg/Kg dry	113	52.4	146	80-120		
Lead	114		5.67	mg/Kg dry	113	10.8	91	80-120		
Selenium	105		5.67	mg/Kg dry	113	1.59	91	80-120		
Silver	108		5.67	mg/Kg dry	113	0.0429	95	80-120		
Matrix Spike Dup (B6L0221-MSD1)		**Source: L6L0105-01**		Prepared: 12/13/2016 Analyzed: 12/14/2016						
Arsenic	115		5.85	mg/Kg dry	117	ND	98	80-120	3	20
Barium	273		11.7	mg/Kg dry	117	160	97	80-120	1	20
Cadmium	107		1.17	mg/Kg dry	117	1.13	91	80-120	3	20
Chromium	210	X	5.85	mg/Kg dry	117	52.4	135	80-120	4	20
Lead	116		5.85	mg/Kg dry	117	10.8	90	80-120	2	20
Selenium	109		5.85	mg/Kg dry	117	1.59	92	80-120	4	20
Silver	109		5.85	mg/Kg dry	117	0.0429	94	80-120	1	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

Total Mercury Analysis by Method 7471A

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0237										
Blank (B6L0237-BLK1)					Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	ND	U	0.200	mg/Kg wet						
LCS (B6L0237-BS1)					Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	0.510		0.200	mg/Kg wet	0.500		102	85-115		
LCS Dup (B6L0237-BSD1)					Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	0.505		0.200	mg/Kg wet	0.500		101	85-115	1	20
Duplicate (B6L0237-DUP1)		**Source: L6L0105-01**			Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	ND	U	0.234	mg/Kg dry		ND				20
Matrix Spike (B6L0237-MS1)		**Source: L6L0105-01**			Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	0.606		0.234	mg/Kg dry	0.585	ND	104	85-115		
Matrix Spike Dup (B6L0237-MSD1)		**Source: L6L0105-01**			Prepared: 12/13/2016 Analyzed: 12/14/2016					
Mercury	0.592		0.234	mg/Kg dry	0.585	ND	101	85-115	2	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

Quality Control
(Continued)

Percent Moisture by Method 2540G

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: B6L0251										
Duplicate (B6L0251-DUP1)		**Source: L6L0134-01**			Prepared & Analyzed: 12/13/2016					
% Solids	81.9		0.100	%		82.3			0.5	20
Percent Moisture	18.1		0.100	%		17.7			3	20

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

MWBE SDBE
NELAC DoD Accredited

Willmer Engineering, Inc.	Project: Clarkston Streetscapes	
3772 Pleasantdale Rd. Suite 165	Project Number: 74.3993.802	**Reported:**
Atlanta, GA 30340	Project Manager: Mr. Joseph Sura	12/28/2016 10:22

List of Certifications

Number	Description	Code	Facility	Expires
04176	LA CERTIFICATE	LANELAC	FTSA	06/30/2016
483	NC CERTIFICATE	ANC	FTSA	12/31/2016
85	KENTUKY CERTIFICATE	KENTUKY	FTSA	
98015	SC CERTIFICATE	ASC	FTSA	06/30/2017
E84098	FL NELAC CERTIFICATE	LFLNELAC	FTSL	06/30/2017
E87429	FL NELAC CERTIFICATE	AFLNELAC	FTSA	06/30/2017
LI0-135	DoD CERTIFICATE	DOD	FTSA	06/30/2016
P330-07-00105	USDA CERTIFICATE	USDA	FTSA	

Notes and Definitions

Item	Definition
F	RPD Failure in the BKS/BSD.
H	The LCS data for this analytical batch was reported above the laboratory control limits.
Dry	Sample results reported on a dry weight basis.
U or ND	Analyte NOT DETECTED at or above the reporting limit.
A	Suspected adol-condensation product
B	Analyte detected in the method blank
C	Confirmed by GC/MS analysis
E	Concentration exceeds calibration range
K	Hold Time exceeded
J	Estimated Value
N	Tentatively Identified Compound
P	>25% difference between primary and secondary columns
S	Quantitation based on single-point calibration
X	QC Failure see Case Narrative

RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated.

The contents of this report apply to the sample(s) analyzed in accordance with the chain of custody document.
No duplication of this report is allowed, except in its entirety.

WILLMER ENGINEERING INC. | WE

WILLMER ENGINEERING INC.
3772 PLEASANTDALE RD. • SUITE 165
ATLANTA, GA 30340-4270

L6L0134

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Company Name: Willmer Engineering	Phone #: 770-939-0089
	Fax #:
Company Address:	Site Location: Clarkston Streetscapes
Project Manager: Joseph Sura	Client Project #: 74.3993.802
Reviewed & Approved for Testing By	
I attest that the proper field sampling procedures were used during the collection of these samples.	Sampler Name (Print): Joseph Sura

ANALYSIS REQUEST

Field Sample ID	# of Containers	Matrix: Water	Soil	Air	Sludge	Product	Other	Method Preserved: HCl	HNO_2	H_2SO_4	Ice	None	Other	Sampling: Date	Time	BTEX	PAH	TPH-GRO	TPH-DRO	VOC	SVOC	RCRA Metals							Remarks
9-3	6		X								X			12/9	9:25	X	X	X	X										
9-2	6		X								X			12/9	9:45	X	X	X	X										
9-1	6		X								X			12/9	10:00	X	X	X	X										
12-1	6		X								X			12/9	10:37	X	X	X	X										
12-2	6		X								X			12/9	10:52	X	X	X	X										
12-3	6		X								X			12/9	11:30	X	X	X	X										
N1-1	5		X								X			12/9	12:18					X	X	X							
N1-2	5		X								X			12/9	12:48					X	X	X							
N1-3	5		X								X			12/9	13:10					X	X	X							
N1-4	5		X								X			12/9	13:28					X	X	X							

Special Detection Limits	Remarks:	TAT: Priority (24 hr) ☐ Rush (48 hr) ☐ Rush (72 hr) ☐ Normal ☒
Special Reporting Requirements Fax ☐	Lab Use Only: Lab Project #: _____	Cooler Temp. 2.5 °C

Special Handling
Lab Contact _____
Quote # _____
P.O. _____

QA/QC Level
Level I ☐ Level II ☐ Other ☐ _____

CUSTODY RECORD

	Date	Time		Date	Time
Relinquished by Sampler: [signature]	12/9	14:35	Received by: [signature]	12/9/16	1435
Relinquished by:			Received by:		
Relinquished by:			Received by Laboratory: Waybill #:		