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14 December 2018

Mr. David Hayes and Mr. William Lucas  
Response and Remediation Program  
Georgia Department of Natural Resources  
Environmental Protection Division  
2 Martin Luther King, Jr. Drive, SW, Suite 1054  
Atlanta, Georgia 30334

**Subject: 310 Vine Street (aka Rodney Cook Senior Park) VRP Site  
Semi-Annual Status Report #7**

Dear Mr. Hayes and Mr. Lucas:

Wood Environment and Infrastructure Solutions, Inc., on behalf of The City of Atlanta's Department of Watershed Management (COA DWM), respectfully submits this seventh Semi-Annual Status Report required under the Voluntary Investigation and Remediation Plan (VIRP) for the subject property that was approved by the Georgia Environmental Protection Division (EPD) in a letter dated June 15, 2015.

#### **RECAP OF SEMI-ANNUAL STATUS REPORT #6**

Semi-Annual Status Report #6 (Status Report #6), which was submitted on June 28, 2018, included details of the implementation of the soil remediation including the following:

- 1) Mobilization for implementation of the soil remediation was initiated on December 20, 2017,
- 2) The soil remediation effort was divided into three areas (Main Area, Northwest Area, and Southwest Area),
- 3) Soil remediation in the Main Area and Northwest Area were completed; however, soil remediation in the Southwest Area was delayed due to proximity to adjacent roadways and the need for additional property acquisitions,
- 4) A total of 32,260.75 tons of soil were excavated, stockpiled, characterized, loaded and transported offsite for disposal during the remediation activities,
- 5) Soil confirmation sampling for total lead was conducted along excavation sidewalls and floors, and
- 6) Borrow source material was analyzed for volatile organic compounds, semi-volatile organic compounds, total priority pollutant metals, polychlorinated biphenyls, and

pesticides/herbicides in accordance with project specifications. Borrow soils were sourced from the Grant Park Parking Deck construction project.

COA DWM received comments on the November 13, 2017 Semi-Annual Status Report #5 and the June 28, 2018 Semi-Annual Status Report #6 from the EPD in a July 31, 2018 letter. The comments contained in that letter are addressed herein.

### **EPD Comments**

#### Comment #1

*EPD finds that the as-built areas of soil excavation in the Main Remediation Area (MRA) and the Northwest Remediation Area generally correspond to the estimated excavation areas shown in the 4th Semi-Annual Status Report and that the soil confirmation sampling data presented meets the approved value of 400 mg/kg for lead-impacted soil, with the exception of several sidewall confirmation samples along Walnut Street (P1-SW, S1-SW, T1 -SW, U1-SW, V1-SW-E (see comment 5.f. below), W1-SW, and X1-SW-E), which ranged from 430 - 1,200 mg/kg. EPD notes that, in order to certify that a Voluntary Remediation Property meets Risk Reduction Standards (RRS), it must be demonstrated in the Compliance Status Report that lead-impacted soil from historic fill material has been fully delineated on the property and that soil concentrations present on the Voluntary Remediation Property meet applicable RRS.*

#### Response #1

*COA DWM acknowledges the comment for information but no action is being taken based on this comment.*

#### Comment #2

*EPD acknowledges that initial borrow source sample results indicated that thallium exceeded its Type 1 RRS of 2 mg/kg in 2 samples, but that subsequent borrow source sampling which included 15 additional grab samples did not indicate that thallium exceeded its Type 1 RRS. If this borrow source is used for backfill soil, EPD recommends conducting periodic sampling of soil before it is transported to ensure that soil brought to the site for backfill does not contain regulated substances that exceed residential RRS.*

#### Response #2

*The contractor, ASTRA, was informed immediately to test another borrow sample before importing more soil. ASTRA responded that the MRA import and backfill was complete and therefore additional borrow source would not be sampled until the next remediation area (Southwest Remediation Area) is conducted.*

#### Comment #3

*Sidewall sample X2-SW is depicted on Figure 2; however, no accompanying confirmation sample results could be located on Table 3 or Appendix A of the report for EPD to confirm that this sidewall sample meets 400 mg/kg for lead.*

Response #3

The sidewall sample X2-SW was an error on Figure 2 and does not represent a sampling point. Figure 2 has been revised to remove X2-SW. The revised figure is included as **Appendix A**.

Comment #4

On Page 2 of the report, it is stated that the MRA is contained within north-south grids J-GG & east-west grids 1-22. Based on our review, it appears that the MRA is contained within north-south grids I-GG, as sidewall sample 115-SW is depicted on Figure 2 of the report.

Response #4

The text of the semi-annual report should be edited to include the "I" grid in the MRA. No change to figures or tables are warranted as a result of this comment.

Comment #5

The typos in Table 3 (EPD comments 5a – 5e) were corrected. Figure 2 was revised to address EPD comment 5f. The revised table and figure are attached.

- a. The sample result for sidewall sample E19-SW-1.0 is shown as 6.3 mg/kg on Table 3, however, the analytical data report in Appendix A reports it as 36.3 mg/kg.
- b. The sample designation for the floor sample in grid J9 is shown as J9-F-2.0 on Table 3; however, according to the analytical data report and accompanying chain-of-custody, the sample designation is reported as J9-F-1.0.
- c. The sample designation for the sidewall sample in grid M20 is shown as M20-SW-2.0 on Table 3; however, according to the analytical data report and accompanying chain-of-custody, the sample designation is reported as M20-SW-1.0.
- d. The sample designation for the sidewall sample in grid M21 is shown as M21-SW-2.0 on Table 3; however, according to the analytical data report and accompanying chain-of-custody, the sample designation is reported as M21-SW-1.0.
- e. The sample designation for the sidewall sample in grid P22 is shown as P22-SW-2.0 on Table 3; however, according to the analytical data report and accompanying chain-of-custody, the sample designation is reported as P22-SW-1.0.
- f. The sample designation for the sidewall sample in grid V1 is shown as V1 -SW-2.0 on Table 3 as well as the analytical data report and chain-of-custody; however, on Figure 2, the sample designation is shown as V1-SW-E.

Response #5

The typos in Table 3 (EPD comments 5a – 5e) were corrected. Figure 2 was revised to address EPD comment 5f. The revised table is included as **Appendix B** and the revised figure is included as **Appendix A** (as indicated above).

### **WORK COMPLETED DURING THE SEVENTH REPORTING PERIOD**

The soil remediation effort for the MRA and the Northwest Remediation Area was completed by the end of June 2018. Semi-Annual Status Report #6 was submitted at the completion of that effort. During this seventh reporting period, no soil removal actions requiring confirmation testing were performed. No soil was transported off-site for disposal.

### **WORK ANTICIPATED DURING NEXT REPORTING PERIOD**

As was indicated in Status Report #6, COA DWM has continued its efforts to acquire property for the park project. Property acquisitions are necessary for the development of the public park. COA DWM will continue acquisition/transfer of properties located on Tyler Street, Thurmond Street, Walnut Street, and Joseph E Boone Boulevard. The properties located along Elm Street are required for the soil excavation in the Southwest Remediation Area of the project. Once acquisition of the parcels is complete, COA DWM will conduct the soil excavation in the Southwest Remediation Area. This work will be conducted as a future phase of work.

### **REPORT PERIOD CONCLUSION**

COA DWM concluded in the Semi-Annual Progress Report dated June 28, 2018 that the soil remediation was complete in the Main Remediation Area of the site as demonstrated in that progress report that was submitted in accordance with the VRP Application dated January 7, 2015 and as amended in the Semi-Annual Progress Report dated April 5, 2017 and acknowledged by GA EPD in a letter dated May 11, 2017. GA EPD provided written concurrence with this conclusion pending the submittal of the additional information as outlined in the EPD letter dated July 31, 2018. COA DWM provided the requested information by email on August 13, 2018. Since that time, the construction of the stormwater impoundment and public park has continued in the Main Remediation Area.

### **REPORT PERIOD LEVEL OF EFFORT**

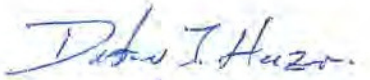
The COA DWM has expended several hundred hours during this reporting period in preparation and execution of the field effort associated with the Rodney Cook Senior Park project. In addition to the utility installation work, continued planning, scheduling, contracting, regulatory interaction and property acquisition have been ongoing for the majority of the reporting period. This level of effort is expected to continue in the next reporting period.

Contour Engineering (subcontractor to COA DWM) has assisted in this effort. Professional Certification is provided in **Appendix C**. A breakdown of professional service hours with a description of the services provided is included as **Appendix D**.

If you have any questions regarding the information contained herein, please contact the undersigned.

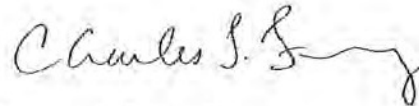
Sincerely,

**Wood Environment & Infrastructure, Inc.**



*Dustin J. Heizer*  
*w/ permission*

Dustin J. Heizer  
Senior Project Manager



Charles T. Ferry, P.E.  
Senior Principal Engineer

cc: Mr. Todd Hill, P.E., City of Atlanta Office of Watershed Protection  
Mr. Cory Rayburn, City of Atlanta Department of Watershed Management  
Mr. George Reynolds, PRAD Group  
Ms. Susan U. Major, P.E., PRAD Group

Appendices: A – Revised Figure 2  
B – Revised Confirmation Sample Table  
C – Professional Certification

**APPENDIX A**  
**REVISED FIGURE 2**

TYPICAL SAMPLING GRID

**SAMPLING NOTES**

FIVE-POINT COMPOSITE SAMPLE COLLECTED FROM EACH FLOOR SIDEWALK SAMPLES COLLECTED AS GRAB SAMPLES AT THE MID POINT OF THE SIDEWALK OR AT THE MID POINT OF THE SIDEWALK IF GREATER THAN FIVE FEET. TWO SIDEWALK SAMPLES WERE COLLECTED.

PLEASE REFER TO CONFIRMATION SOIL SAMPLE LABORATORY DATA TABLE FOR SAMPLE DATA.

CONFIRMATION SOIL SAMPLES COLLECTED FROM MARCH 7, 2018 TO JUNE 1, 2018. EXACT DATES EACH SAMPLE COLLECTED.

**LEGEND:**

- SAMPLE LOCATION
- EXCAVATION BOUNDARY
- - - TOPOGRAPHIC ELEVATION CONTOUR
- 925 TOPOGRAPHIC ELEVATION



**PROJECT:**  
 Upper Proctor Creek  
 Remedial Action Area  
 Vine Street  
 Atlanta, Fulton County, GA

**CONTOUR**  
 ENGINEERING

6/25/2018

SCALE: 1" = 40'

FIGURE 2: Confirmation Sampling Location Map Main Remediation Area (As-Built)

**APPENDIX B**  
**REVISED CONFIRMATION SAMPLE TABLE**



Upper Proctor Creek - Rodney Cook Senior Park  
310 Vine Street  
Atlanta, Georgia  
Confirmation Soil Analytical Results

					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
A18	A18-F-2.0	N	3/29/2018	mg/kg		25.9
A18	A18-SW-1.0	N	3/29/2018	mg/kg		42.9
A19	A19-F-2.0	N	3/29/2018	mg/kg		82.0
A19	A19-SW-1.0	N	3/29/2018	mg/kg		151
A20	A20A-F-3.0	N	4/6/2018	mg/kg		284
A20	A20-F1-2.0	FD	3/29/2018	mg/kg		<b>794</b>
A20	A20-F-2.0	N	3/29/2018	mg/kg		<b>635</b>
A20	A20-SW-1.0	N	3/29/2018	mg/kg		81.0
A21	A21-F-2.0	N	3/29/2018	mg/kg		92.0
A21	A21-SW-1.0	N	5/15/2018	mg/kg		15.9
AA10	AA10-F-2.0	N	5/3/2018	mg/kg		142
AA11	AA11-F-2.0	N	5/3/2018	mg/kg		195
AA12	AA12-F1-2.0	FD	5/3/2018	mg/kg		45.7
AA12	AA12-F-2.0	N	5/3/2018	mg/kg		40.4
AA13	AA13-F-2.0	N	5/3/2018	mg/kg		74.4
AA14	AA14-F-2.0	N	5/3/2018	mg/kg		219
AA15	AA15-F-1.0	N	4/19/2018	mg/kg		264
AA16	AA16-F-1.0	N	4/18/2018	mg/kg		32.2
AA17	AA17-F-3.0	N	4/18/2018	mg/kg		74.0
AA18	AA18-F-4.0	N	4/18/2018	mg/kg		103
AA19	AA19-F-4.0	N	4/18/2018	mg/kg		<b>699</b>
AA19	AA19-F-5.0	N	5/2/2018	mg/kg		66.8
AA20	AA20-F-4.0	N	4/13/2018	mg/kg		353
AA21	AA21-F-4.0	N	4/13/2018	mg/kg		177
AA22	AA22-F-4.0	N	4/13/2018	mg/kg		78.9
AA22	AA22-SW-2.5	N	4/19/2018	mg/kg		335
AA4	AA4-F-2.0	N	6/5/2018	mg/kg		18.9
AA4	AA4-SW-1.0	N	6/5/2018	mg/kg		19.1
AA5	AA5-F-2.0	N	6/5/2018	mg/kg		12.4
AA5	AA5-SW-1.0	N	6/5/2018	mg/kg		162
AA6	AA6-F-2.0	N	5/15/2018	mg/kg		15.4
AA7	AA7-F-2.0	N	5/11/2018	mg/kg		8.49
AA7	AA7-F-2.0	N	5/15/2018	mg/kg		15.6
AA7	AA7-SW-1.0	N	6/5/2018	mg/kg		83.7
AA7	AA7-SW-1.0-E	N	5/21/2018	mg/kg		105
AA7	AA7-SW-1.0-W	N	5/21/2018	mg/kg		<b>528</b>
AA8	AA8-F1-2.0	FD	5/11/2018	mg/kg		7.89
AA8	AA8-F-2.0	N	5/11/2018	mg/kg		8.48
AA9	AA9-F-2.0	N	4/11/2018	mg/kg		148

Upper Proctor Creek - Rodney Cook Senior Park  
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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
B18	B18-F-2.0	N	3/29/2018	mg/kg		30.9
B18	B18-SW-1.0	N	3/29/2018	mg/kg		16.6
B19	B19-F-2.0	N	3/29/2018	mg/kg		40.5
B20	B20A-F-3.0	N	4/6/2018	mg/kg		<b>799</b>
B20	B20B-F-4.0	N	4/13/2018	mg/kg		<b>761</b>
B20	B20C-F-6.0	N	4/26/2018	mg/kg		32.4
B20	B20-F-2.0	N	3/29/2018	mg/kg		<b>491</b>
B21	B21-F-2.0	N	3/29/2018	mg/kg		16.6
B21	B21-SW-1.0	N	3/29/2018	mg/kg		16.1
B22	B22-F-2.0	N	3/29/2018	mg/kg		31.6
B22	B22-SW-1.0-N	N	3/29/2018	mg/kg		17.3
B22	B22-SW-1.0-S	N	3/29/2018	mg/kg		33.0
BB10	BB10-F-2.0	N	5/3/2018	mg/kg		295
BB10	BB10-SW-1.0	N	5/21/2018	mg/kg		291
BB11	BB11-F1-2.0	FD	5/3/2018	mg/kg		58.0
BB11	BB11-F-2.0	N	5/3/2018	mg/kg		58.2
BB11	BB11-SW-1.0	N	5/21/2018	mg/kg		286
BB12	BB12-F-2.0	N	5/3/2018	mg/kg		85.6
BB12	BB12-SW-1.0	N	5/21/2018	mg/kg		379
BB13	BB13-F-2.0	N	5/3/2018	mg/kg		48.3
BB13	BB13-SW-1.0	N	5/21/2018	mg/kg		8.68
BB14	BB14-F-2.0	N	5/3/2018	mg/kg		148
BB14	BB14-SW-1.0	N	5/21/2018	mg/kg		241
BB15	BB15-F-1.0	N	4/19/2018	mg/kg		19.0
BB16	BB16-F-1.0	N	4/18/2018	mg/kg		83.5
BB16	BB16-F1-1.0	FD	4/18/2018	mg/kg		79.4
BB17	BB17-F-3.0	N	4/18/2018	mg/kg		37.7
BB18	BB18-F-4.0	N	4/18/2018	mg/kg		202
BB19	BB19-F-4.0	N	4/18/2018	mg/kg		<b>496</b>
BB19	BB19-F-5.0	N	5/2/2018	mg/kg		146
BB20	BB20-F-4.0	N	4/13/2018	mg/kg		397
BB21	BB21-F1-4.0	FD	4/13/2018	mg/kg		129
BB21	BB21-F-4.0	N	4/13/2018	mg/kg		149
BB22	BB22-F-4.0	N	4/13/2018	mg/kg		156
BB22	BB22-SW-2.0	N	4/19/2018	mg/kg		118
BB6	BB6-F-2.0	N	5/15/2018	mg/kg		15.7
BB6	BB6-SW-1.0	N	5/21/2018	mg/kg		24.1
BB7	BB7-F1-2.0	FD	5/11/2018	mg/kg		53.7
BB7	BB7-F-2.0	N	5/11/2018	mg/kg		68.7

Upper Proctor Creek - Rodney Cook Senior Park  
 310 Vine Street  
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 Confirmation Soil Analytical Results

					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
BB7	BB7-SW-1.0	N	5/21/2018	mg/kg		315.0
BB8	BB8-F-2.0	N	5/11/2018	mg/kg		84.4
BB9	BB9-F-2.0	N	5/11/2018	mg/kg		142
C18	C18-F-2.0	N	3/29/2018	mg/kg		118
C18	C18-SW-1.0	N	3/29/2018	mg/kg		88.1
C19	C19-F-2.0	N	3/29/2018	mg/kg		38.3
C20	C20-F-2.0	N	3/29/2018	mg/kg		98.6
C21	C21-F1-2.0	FD	3/29/2018	mg/kg		82.6
C21	C21-F-2.0	N	3/29/2018	mg/kg		59.6
C21	C21-SW-1.0	N	3/29/2018	mg/kg		15.6
C22	C22-F-2.0	N	3/29/2018	mg/kg		118
CC14	CC14-F-1.0	N	6/5/2018	mg/kg		65.7
CC14	CC14-SW-0.5	N	5/21/2018	mg/kg		335
CC15	CC15A-F-2.0	N	6/11/2018	mg/kg		42.3
CC15	CC15-F-1.0	N	4/19/2018	mg/kg		8.79
CC15	CC15-F-1.0	N	6/4/2018	mg/kg		<b>11500</b>
CC15	CC15-F1-1.0	FD	4/19/2018	mg/kg		9.00
CC16	CC16A-F-4.0	N	6/11/2018	mg/kg		17.9
CC16	CC16-F-3.0	N	4/18/2018	mg/kg		135
CC16	CC16-F-3.0	N	6/4/2018	mg/kg		<b>6910</b>
CC16	CC16-SW-1.5	N	6/4/2018	mg/kg		198
CC17	CC17-F1-3.0	FD	4/18/2018	mg/kg		70.0
CC17	CC17-F-3.0	N	4/18/2018	mg/kg		62.1
CC17	CC17-SW-0.5-E	N	6/4/2018	mg/kg		267
CC17	CC17-SW-0.5-W	N	6/4/2018	mg/kg		21.9
CC17	CC17-SW-1.0-E	N	5/21/2018	mg/kg		<b>1180</b>
CC17	CC17-SW-1.0-W	N	5/21/2018	mg/kg		<b>452</b>
CC18	CC18-F-2.0	N	4/18/2018	mg/kg		296
CC19	CC19-F-4.0	N	4/18/2018	mg/kg		314
CC20	CC20-F-4.0	N	4/13/2018	mg/kg		203
CC21	CC21-F-4.0	N	4/13/2018	mg/kg		151
CC22	CC22-F-4.0	N	4/13/2018	mg/kg		220
CC22	CC22-SW-2.0	N	4/19/2018	mg/kg		40.2
CC7	CC7-F-2.0	N	5/11/2018	mg/kg		147
CC7	CC7-SW-1.0	N	5/21/2018	mg/kg		277
CC8	CC8A-F-3.0	N	6/5/2018	mg/kg		21.2
CC8	CC8-F-2.0	N	5/11/2018	mg/kg		<b>2980</b>
CC8	CC8-SW-1.0	N	5/21/2018	mg/kg		<b>507</b>
CC8	CC8-SW-1.5	N	6/5/2018	mg/kg		13.6

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
CC9	CC9-F-2.0	N	5/11/2018	mg/kg		43.8
CC9	CC9-SW-1.0	N	5/21/2018	mg/kg		196
D18	D18-F-2.0	N	3/29/2018	mg/kg		50.7
D18	D18-SW-1.0-E	N	3/29/2018	mg/kg		37.4
D18	D18-SW-1.0-S	N	3/29/2018	mg/kg		62.9
D19	D19-F-2.0	N	3/29/2018	mg/kg		97.9
D20	D20-F-2.0	N	3/29/2018	mg/kg		240
D20	D20-SW-1.0	N	3/29/2018	mg/kg		64.9
D21	D21-F-2.0	N	3/29/2018	mg/kg		15.3
DD15	DD15-F-1.0	N	4/19/2018	mg/kg		286
DD15	DD15-F-1.0	N	6/4/2018	mg/kg		173
DD15	DD15-SW-0.5	N	5/21/2018	mg/kg		247
DD15	DD15-SW-0.5	N	6/1/2018	mg/kg		57.6
DD16	DD16-F-1.0	N	4/27/2018	mg/kg		220
DD16	DD16-F-1.0	N	6/4/2018	mg/kg		68.8
DD16	DD16-SW-0.5	N	6/1/2018	mg/kg		43.0
DD16	DD16-SW-1.0	N	5/21/2018	mg/kg		4740
DD18	DD18-F1-2.0	FD	4/18/2018	mg/kg		59.0
DD18	DD18-F-2.0	N	4/18/2018	mg/kg		95.4
DD18	DD18-SW-0.5	N	5/31/2018	mg/kg		68.6
DD19	DD19-F1-4.0	FD	4/18/2018	mg/kg		53.5
DD19	DD19-F-4.0	N	4/18/2018	mg/kg		49.4
DD20	DD20-F-4.0	N	4/13/2018	mg/kg		278
DD21	DD21-F1-4.0	FD	4/13/2018	mg/kg		329
DD21	DD21-F-4.0	N	4/13/2018	mg/kg		1530
DD21	DD21-F-5.0	N	5/2/2018	mg/kg		22.2
DD22	DD22-F-4.0	N	4/13/2018	mg/kg		52.7
DD22	DD22-SW-2.0	N	4/19/2018	mg/kg		44.8
E19	E19-F-2.0	N	3/29/2018	mg/kg		164
E19	E19-SW-1.0	N	3/29/2018	mg/kg		36.3
E20	E20-F-2.0	N	3/29/2018	mg/kg		61.5
E20	E20-SW-1.0	N	3/29/2018	mg/kg		27.2
EE18	EE18-F-1.0	N	4/13/2018	mg/kg		164
EE18	EE18-SW-0.5	N	5/31/2018	mg/kg		78.8
EE19	EE19-F-1.0	N	4/13/2018	mg/kg		147
EE20	EE20-F-4.0	N	4/13/2018	mg/kg		318
EE21	EE21-F-4.0	N	4/13/2018	mg/kg		498
EE21	EE21-F-5.0	N	5/2/2018	mg/kg		61.4
EE21	EE21-SW-2.0	N	4/19/2018	mg/kg		115

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
FF18	FF18-F-1.0	N	4/13/2018	mg/kg		57.6
FF18	FF18-SW-0.5	N	5/31/2018	mg/kg		68.8
FF19	FF19-F-1.0	N	4/13/2018	mg/kg		96.4
FF20	FF20-F-4.0	N	4/13/2018	mg/kg		39.8
FF21	FF21-F1-4.0	FD	4/13/2018	mg/kg		19.4
FF21	FF21-F-4.0	N	4/13/2018	mg/kg		16.8
FF21	FF21-SW-2.0	N	4/19/2018	mg/kg		<b>4160</b>
FF22	FF22-F-4.0	N	5/2/2018	mg/kg		10.6
FF22	FF22-SW-2.5	N	5/2/2018	mg/kg		42.4
FF22	FF22-SW-5.5	N	5/2/2018	mg/kg		9.55
GG18	GG18-F-1.0	N	4/13/2018	mg/kg		232
GG18	GG18-SW-0.5	N	4/19/2018	mg/kg		169
GG18	GG18-SW-0.5-E	N	5/31/2018	mg/kg		111
GG19	GG19-F-1.0	N	4/13/2018	mg/kg		223
GG19	GG19-SW-0.5	N	4/19/2018	mg/kg		241
GG20	GG20-F-4.0	N	4/13/2018	mg/kg		9.10
GG20	GG20-SW-2.0	N	4/19/2018	mg/kg		19.4
GG21	GG21-F-4.0	N	4/13/2018	mg/kg		7.78
GG21	GG21-SW-2.0	N	4/19/2018	mg/kg		37.1
I15	I15-F-2.0	N	6/5/2018	mg/kg		15.5
I15	I15-SW-1.0	N	3/29/2018	mg/kg		99.6
J10	J10-F-2.0	N	6/5/2018	mg/kg		43.3
J10	J10-SW-1.0	N	3/13/2018	mg/kg		127
J11	J11-F-2.0	N	3/7/2018	mg/kg		9.87
J11	J11-SW-1.0	N	3/13/2018	mg/kg		169
J12	J12-F-2.0	N	3/7/2018	mg/kg		9.99
J12	J12-SW-1.0	N	3/13/2018	mg/kg		27
J14	J14-F-2.0	N	3/7/2018	mg/kg		37.8
J14	J14-SW-1.0	N	3/13/2018	mg/kg		309
J15	J15-F-2.0	N	3/7/2018	mg/kg		15.8
J16	J16-F-2.0	N	3/29/2018	mg/kg		43.9
J16	J16-SW-1.0	N	3/29/2018	mg/kg		61.2
J17	J17-F-2.0	N	3/29/2018	mg/kg		44.5
J17	J17-SW-1.0	N	3/29/2018	mg/kg		35.2
J18	J18-F-2.0	N	3/23/2018	mg/kg		84.9
J18	J18-SW-1.0	N	3/29/2018	mg/kg		150
J19	J19A-F-4.0	N	3/29/2018	mg/kg		56.2
J19	J19-F-2.0	N	3/23/2018	mg/kg		<b>5,490</b>
J19	J19-SW-2.0	N	3/29/2018	mg/kg		132

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
J7	J7-F-1.0	N	3/13/2018	mg/kg		254
J7	J7-SW-0.5	N	3/13/2018	mg/kg		33.9
J8	J8A-F-2.0	N	3/23/2018	mg/kg		27.3
J8	J8-F-1.0	N	3/13/2018	mg/kg		141
J8	J8-F1-1.0	FD	3/13/2018	mg/kg		<b>6,600</b>
J8	J8-SW-0.5	N	3/13/2018	mg/kg		118
J9	J9-F-1.0	N	3/7/2018	mg/kg		145
J9	J9-SW-0.5	N	3/13/2018	mg/kg		262
K10	K10-F-2.0	N	3/7/2018	mg/kg		56.5
K10	K10-SW-0.5	N	3/13/2018	mg/kg		259
K11	K11-F-2.0	N	3/7/2018	mg/kg		19.2
K12	K12-F-2.0	N	3/7/2018	mg/kg		56.9
K12	K12-SW-1.0	N	3/13/2018	mg/kg		21.7
K13	K13-F-2.0	N	3/7/2018	mg/kg		57.6
K13	K13-SW-1.0	N	3/13/2018	mg/kg		243
K14	K14-F-2.0	N	3/7/2018	mg/kg		29.2
K15	K15-F-2.0	N	3/7/2018	mg/kg		72.9
K16	K16-F-2.0	N	3/29/2018	mg/kg		79.1
K17	K17-F-2.0	N	3/29/2018	mg/kg		30.0
K18	K18-F-2.0	N	3/23/2018	mg/kg		110
K19	K19A-F-4.0	N	3/29/2018	mg/kg		49.7
K19	K19-F-2.0	N	3/23/2018	mg/kg		<b>1,150</b>
K20	K20-F-2.0	N	3/23/2018	mg/kg		70.1
K20	K20-SW-2.0	N	3/29/2018	mg/kg		137
K6	K6-F-1.0	N	3/13/2018	mg/kg		138
K6	K6-SW-0.5	N	3/13/2018	mg/kg		45.1
K7	K7-F-1.0	N	3/13/2018	mg/kg		155
K8	K8A-F-2.0/3.0	N	3/23/2018	mg/kg		57.0
K8	K8-F-1.0	N	3/7/2018	mg/kg		<b>422</b>
K8	K8-F1-1.0	FD	3/7/2018	mg/kg		<b>603</b>
K9	K9-F-1.0	N	3/7/2018	mg/kg		159
L10	L10-F-2.0	N	3/7/2018	mg/kg		108
L11	L11-F-2.0	N	3/7/2018	mg/kg		42.5
L12	L12-F-2.0	N	3/7/2018	mg/kg		63.4
L13	L13-F-2.0	N	3/7/2018	mg/kg		47.4
L14	L14-F-2.0	N	3/7/2018	mg/kg		48.2
L15	L15-F-2.0	N	3/7/2018	mg/kg		109
L16	L16-F1-2.0	FD	3/29/2018	mg/kg		56.4
L16	L16-F-2.0	N	3/29/2018	mg/kg		77.5

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
L17	L17-F-2.0	N	3/29/2018	mg/kg		16.6
L18	L18-F-2.0	N	3/23/2018	mg/kg		133
L19	L19-F1-2.0	FD	3/23/2018	mg/kg		175
L19	L19-F-2.0	N	3/23/2018	mg/kg		163
L20	L20-F-2.0	N	3/23/2018	mg/kg		21.5
L20	L20-SW-2.0	N	3/29/2018	mg/kg		298
L5	L5-F-1.0	N	3/13/2018	mg/kg		84.7
L5	L5-SW-0.5	N	3/13/2018	mg/kg		31.3
L6	L6-F-1.0	N	3/13/2018	mg/kg		52.5
L6	L6-F1-1.0	FD	3/13/2018	mg/kg		70.2
L6	L6-SW-0.5	N	3/13/2018	mg/kg		31.2
L7	L7-F-1.0	N	3/7/2018	mg/kg		61.8
L8	L8-F-1.0	N	3/7/2018	mg/kg		320
L9	L9-F-1.0	N	3/7/2018	mg/kg		100
L9	L9-F1-1.0	FD	3/7/2018	mg/kg		81.3
M10	M10-F-2.0	N	3/7/2018	mg/kg		72.1
M11	M11-F-2.0	N	3/7/2018	mg/kg		148
M12	M12-F-2.0	N	3/7/2018	mg/kg		80.1
M13	M13-F-2.0	N	3/7/2018	mg/kg		140
M14	M14-F-2.0	N	3/7/2018	mg/kg		55.7
M15	M15-F-2.0	N	3/7/2018	mg/kg		109
M16	M16-F-2.0	N	3/29/2018	mg/kg		39.7
M17	M17-F-2.0	N	3/29/2018	mg/kg		24.5
M18	M18-F1-2.0	FD	3/23/2018	mg/kg		180
M18	M18-F-2.0	N	3/23/2018	mg/kg		186
M19	M19-F-2.0	N	3/23/2018	mg/kg		33.6
M20	M20-F1-2.0	FD	3/23/2018	mg/kg		25.4
M20	M20-F-2.0	N	3/23/2018	mg/kg		26.8
M20	M20-SW-1.0	N	3/29/2018	mg/kg		15.0
M21	M21-F-2.0	N	3/23/2018	mg/kg		15.4
M21	M21-SW-1.0	N	3/29/2018	mg/kg		12.0
M5	M5-F-1.0	N	3/7/2018	mg/kg		130
M6	M6-F-1.0	N	3/7/2018	mg/kg		162
M6	M6-SW-0.5	N	3/13/2018	mg/kg		27.9
M7	M7A-F-2.0/3.0	N	3/23/2018	mg/kg		60.6
M7	M7-F-1.0	N	3/7/2018	mg/kg		402
M8	M8-F-1.0	N	3/7/2018	mg/kg		209
M8	M8-F1-1.0	FD	3/7/2018	mg/kg		220
M9	M9-F-1.0	N	3/7/2018	mg/kg		151

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
N10	N10-F-2.0	N	3/7/2018	mg/kg		183
N11	N11-F-2.0	N	3/7/2018	mg/kg		122
N12	N12-F-2.0	N	3/7/2018	mg/kg		222
N13	N13-F-2.0	N	3/7/2018	mg/kg		147
N14	N14-F-2.0	N	3/7/2018	mg/kg		120
N15	N15-F-2.0	N	3/7/2018	mg/kg		69.3
N16	N16-F-2.0	N	3/29/2018	mg/kg		64.1
N17	N17-F1-2.0	FD	3/29/2018	mg/kg		39.3
N17	N17-F-2.0	N	3/29/2018	mg/kg		31.4
N18	N18-F-2.0	N	3/23/2018	mg/kg		240
N19	N19-F-2.0	N	3/23/2018	mg/kg		66.0
N1	N1-F-2.0	N	4/13/2018	mg/kg		30.6
N20	N20-F-2.0	N	3/23/2018	mg/kg		14.3
N21	N21-F1-2.0	FD	3/23/2018	mg/kg		13.9
N21	N21-F-2.0	N	3/23/2018	mg/kg		14.8
N21	N21-SW-1.0	N	3/29/2018	mg/kg		12.4
N6	N6-F-1.0	N	3/7/2018	mg/kg		384
N6	N6-SW-0.5	N	3/13/2018	mg/kg		23.0
N6	N6-SW1-0.5	FD	3/13/2018	mg/kg		46.5
N7	N7A-F-2.0	N	3/23/2018	mg/kg		144
N7	N7-F-1.0	N	3/7/2018	mg/kg		551
O7*	N7-SW-0.5	N	3/13/2018	mg/kg		30.8
N8	N8A-F1-2.0	FD	3/23/2018	mg/kg		31.6
N8	N8A-F-2.0	N	3/23/2018	mg/kg		23.0
N8	N8-F-1.0	N	3/7/2018	mg/kg		300
N8	N8-F1-1.0	FD	3/7/2018	mg/kg		622
N9	N9-F-1.0	N	3/7/2018	mg/kg		122
O10	O10-F1-2.0	FD	3/29/2018	mg/kg		59.8
O10	O10-F-2.0	N	3/29/2018	mg/kg		59.9
O11	O11-F1-2.0	FD	3/7/2018	mg/kg		184
O11	O11-F-2.0	N	3/7/2018	mg/kg		208
O12	O12-F-2.0	N	3/7/2018	mg/kg		270
O13	O13-F-2.0	N	3/7/2018	mg/kg		148
O14	O14-F-2.0	N	3/7/2018	mg/kg		131
O15	O15-F-2.0	N	3/7/2018	mg/kg		189
O16	O16-F-2.0	N	3/29/2018	mg/kg		17.1
O17	O17-F-2.0	N	3/29/2018	mg/kg		33.5
O18	O18-F-2.0	N	3/23/2018	mg/kg		135
O19	O19-F-2.0	N	3/23/2018	mg/kg		99.5



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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
O1	O1-F-2.0	N	4/13/2018	mg/kg		59.0
O1	O1-SW-0.66-E	N	5/3/2018	mg/kg		298
O1	O1-SW-1.0	N	4/13/2018	mg/kg		151.0
O20	O20-F-2.0	N	3/23/2018	mg/kg		16.0
O21	O21-F-2.0	N	3/23/2018	mg/kg		17.7
O21	O21-SW-1.0	N	3/29/2018	mg/kg		6.26
O2	O2-F-2.0	N	4/27/2018	mg/kg		34.0
O2	O2-SW-1.0	N	4/13/2018	mg/kg		304
O7	O7-F-1.0	N	4/3/2018	mg/kg		81.2
O8	O8-F-1.0	N	4/3/2018	mg/kg		120
O8	O8-SW-0.5	N	4/3/2018	mg/kg		30.2
O9	O9-F-2.0	N	4/3/2018	mg/kg		97.2
P10	P10-F-2.0	N	3/29/2018	mg/kg		20.0
P11	P11-F-2.0	N	3/7/2018	mg/kg		102
P12	P12-F-2.0	N	3/7/2018	mg/kg		292
P13	P13-F-2.0	N	3/7/2018	mg/kg		146
P14	P14-F-2.0	N	3/7/2018	mg/kg		247
P15	P15-F-2.0	N	3/7/2018	mg/kg		119
P16	P16-F-4.0	N	3/29/2018	mg/kg		34.7
P17	P17-F-4.0	N	3/29/2018	mg/kg		102
P18	P18-F-4.0	N	3/23/2018	mg/kg		60.9
P19	P19-F-4.0	N	3/23/2018	mg/kg		40.0
P1	P1-F-2.0	N	4/13/2018	mg/kg		93.7
P1	P1-SW-0.66	N	5/3/2018	mg/kg		<b>430</b>
P20	P20-F-4.0	N	3/23/2018	mg/kg		21.2
P21	P21-F-2.0	N	3/23/2018	mg/kg		10.9
P22	P22-F-2.0	N	3/23/2018	mg/kg		13
P22	P22-SW-1.0	N	3/29/2018	mg/kg		5.75
P2	P2-F-2.0	N	4/13/2018	mg/kg		96.2
P3	P3-F-2.0	N	4/3/2018	mg/kg		139
P3	P3-SW-1.0	N	4/3/2018	mg/kg		170
P4	P4-F-2.0	N	4/3/2018	mg/kg		61.1
P4	P4-SW-1.0	N	4/3/2018	mg/kg		69.5
P5	P5-F-2.0	N	4/3/2018	mg/kg		48.8
P5	P5-SW-1.0	N	4/3/2018	mg/kg		167
P6	P6-F-2.0	N	4/3/2018	mg/kg		26.9
P6	P6-SW-1.0	N	4/3/2018	mg/kg		28.3
P8	P8-F-2.0	N	4/3/2018	mg/kg		230
P8	P8-SW-1.0	N	4/3/2018	mg/kg		61.1

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
P9	P9-F-2.0	N	4/3/2018	mg/kg		124
Q10	Q10-F1-2.0	FD	3/29/2018	mg/kg		51.7
Q10	Q10-F-2.0	N	3/29/2018	mg/kg		51.7
Q11	Q11-F-2.0	N	3/7/2018	mg/kg		60.1
Q12	Q12-F1-2.0	FD	3/7/2018	mg/kg		67.6
Q12	Q12-F-2.0	N	3/7/2018	mg/kg		87.7
Q13	Q13-F-2.0	N	3/7/2018	mg/kg		193
Q14	Q14-F-2.0	N	3/7/2018	mg/kg		57.1
Q15	Q15A-F-3.0	N	3/29/2018	mg/kg		35.3
Q15	Q15-F-2.0	N	3/7/2018	mg/kg		404
Q16	Q16-F1-4.0	FD	3/29/2018	mg/kg		40.9
Q16	Q16-F-4.0	N	3/29/2018	mg/kg		36.9
Q17	Q17-F1-4.0	FD	3/29/2018	mg/kg		23.2
Q17	Q17-F-4.0	N	3/29/2018	mg/kg		87.8
Q18	Q18-F-4.0	N	3/23/2018	mg/kg		31.2
Q19	Q19-F-4.0	N	3/23/2018	mg/kg		45.1
Q1	Q1-F-2.0	N	4/13/2018	mg/kg		35.0
Q20	Q20-F-4.0	N	3/23/2018	mg/kg		45.0
Q21	Q21-F-4.0	N	3/23/2018	mg/kg		11.1
Q22	Q22-F-4.0	N	3/23/2018	mg/kg		13.4
Q22	Q22-SW-2.0	N	3/29/2018	mg/kg		11.0
Q2	Q2-F-2.0	N	4/13/2018	mg/kg		141
Q3	Q3-F-2.0	N	4/3/2018	mg/kg		74.5
Q4	Q4-F-2.0	N	4/3/2018	mg/kg		62.9
Q5	Q5-F-2.0	N	4/3/2018	mg/kg		76.0
Q6	Q6-F-2.0	N	4/3/2018	mg/kg		164
Q7	Q7-F-2.0	N	4/3/2018	mg/kg		95.1
Q7	Q7-SW-1.0	N	4/3/2018	mg/kg		116
Q8	Q8-F-2.0	N	4/3/2018	mg/kg		137
Q6*	Q8-SW-1.0	N	4/3/2018	mg/kg		155
Q9	Q9-F-2.0	N	4/3/2018	mg/kg		31.3
R10	R10-F-2.0	N	4/3/2018	mg/kg		37.4
R11	R11-F-2.0	N	3/7/2018	mg/kg		59.0
R12	R12-F-2.0	N	3/7/2018	mg/kg		214
R13	R13-F-2.0	N	3/7/2018	mg/kg		190
R14	R14-F-2.0	N	3/7/2018	mg/kg		90.6
R15	R15-F-2.0	N	3/7/2018	mg/kg		46.4
R16	R16-F-4.0	N	3/29/2018	mg/kg		34.9
R17	R17-F-4.0	N	3/29/2018	mg/kg		80.3

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
R18	R18-F-4.0	N	3/23/2018	mg/kg		75.6
R19	R19-F-4.0	N	3/23/2018	mg/kg		25.4
R1	R1-F-2.0	N	4/13/2018	mg/kg		117
R1	R1-SW-1.0	N	6/15/2018	mg/kg		324
R20	R20-F-4.0	N	3/23/2018	mg/kg		12.6
R21	R21-F-4.0	N	3/23/2018	mg/kg		21.9
R22	R22-F-4.0	N	3/23/2018	mg/kg		78.8
R22	R22-SW-2.0	N	3/29/2018	mg/kg		18.3
R2	R2-F1-2.0	FD	4/13/2018	mg/kg		69.5
R2	R2-F-2.0	N	4/13/2018	mg/kg		88.4
R3	R3-F-2.0	N	4/13/2018	mg/kg		45.0
R4	R4-F-2.0	N	4/3/2018	mg/kg		28.1
R5	R5-F-2.0	N	4/3/2018	mg/kg		12.9
R6	R6-F-2.0	N	4/3/2018	mg/kg		41.3
R7	R7-F-2.0	N	4/3/2018	mg/kg		37.8
R8	R8-F-2.0	N	4/3/2018	mg/kg		117
R9	R9-F1-2.0	FD	4/3/2018	mg/kg		46.0
R9	R9-F-2.0	N	4/3/2018	mg/kg		44.5
S10	S10-F-2.0	N	4/3/2018	mg/kg		172
S11	S11-F1-2.0	FD	3/7/2018	mg/kg		244
S11	S11-F-2.0	N	3/7/2018	mg/kg		168
S12	S12-F-2.0	N	3/7/2018	mg/kg		34.9
S13	S13-F-2.0	N	3/7/2018	mg/kg		33.9
S14	S14-F-2.0	N	3/7/2018	mg/kg		87.9
S15	S15-F-2.0	N	3/7/2018	mg/kg		20.6
S16	S16-F-2.0	N	4/18/2018	mg/kg		112
S17	S17-F1-4.0	FD	4/27/2018	mg/kg		31.3
S17	S17-F-4.0	N	4/27/2018	mg/kg		30.4
S18	S18-F-4.0	N	4/27/2018	mg/kg		76.0
S19	S19-F-4.0	N	3/23/2018	mg/kg		64.7
S1	S1-F-2.0	N	4/13/2018	mg/kg		309
S1	S1-SW-1.0	N	6/8/2018	mg/kg		<b>577</b>
S20	S20-F-4.0	N	3/23/2018	mg/kg		85.1
S20	S20-SW-2.0	N	3/29/2018	mg/kg		254
S21	S21-F-4.0	N	3/23/2018	mg/kg		145
S21	S21-SW-2.0	N	3/29/2018	mg/kg		58.1
S22	S22-F-4.0	N	3/23/2018	mg/kg		134
S22	S22-SW-2.0	N	3/29/2018	mg/kg		365
S2	S2-F-2.0	N	4/13/2018	mg/kg		21.4

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
S3	S3-F-2.0	N	4/13/2018	mg/kg		37.2
S4	S4-F1-2.0	FD	4/3/2018	mg/kg		7.06
S4	S4-F-2.0	N	4/3/2018	mg/kg		7.04
S5	S5-F-2.0	N	4/3/2018	mg/kg		65.3
S6	S6-F-1.0	N	4/3/2018	mg/kg		262
S7	S7-F-2.0	N	4/3/2018	mg/kg		101
S8	S8-F1-2.0	FD	4/3/2018	mg/kg		91.6
S8	S8-F-2.0	N	4/3/2018	mg/kg		102
S9	S9-F-2.0	N	4/3/2018	mg/kg		63.9
BB13, BB14, CC13, CC14	Stockpile Area - 1	N	5/22/2018	mg/kg		28.8
BB11, BB12, CC11, CC12	Stockpile Area - 2	N	5/22/2018	mg/kg		137
BB10, CC10	Stockpile Area - 3	N	5/22/2018	mg/kg		273
BB6, BB7	Stockpile Area - 4	N	5/22/2018	mg/kg		175
AA6, AA7	Stockpile Area - 5	N	5/22/2018	mg/kg		262
AA2, AA3, BB2, BB3	Stockpile Area - 6	N	6/15/2018	mg/kg		160
T10	T10-F-2.0	N	4/3/2018	mg/kg		99.5
T11	T11-F-2.0	N	3/7/2018	mg/kg		209
T12	T12-F-2.0	N	3/7/2018	mg/kg		80.9
T13	T13-F-2.0	N	3/7/2018	mg/kg		51.5
T14	T14-F-2.0	N	3/7/2018	mg/kg		43.3
T15	T15-F-2.0	N	3/7/2018	mg/kg		267
T16	T16-F-2.0	N	4/18/2018	mg/kg		246
T17	T17-F-3.0	N	4/27/2018	mg/kg		70.0
T18	T18-F-4.0	N	4/27/2018	mg/kg		87.6
T19	T19-F-4.0	N	4/18/2018	mg/kg		29.7
T19	T19-SW-2.0	N	4/19/2018	mg/kg		73.4
T1	T1-F1-2.0	FD	6/7/2018	mg/kg		29.0
T1	T1-F-2.0	N	6/7/2018	mg/kg		51.0
T1	T1-SW-1.0	N	6/8/2018	mg/kg		<b>1050</b>
T2	T2-F-2.0	N	6/7/2018	mg/kg		14.8
T3	T3-F1-2.0	FD	6/7/2018	mg/kg		27.9
T3	T3-F-2.0	N	6/7/2018	mg/kg		24.7
T4	T4-F-2.0	N	4/13/2018	mg/kg		26.9
T5	T5-F-1.0	N	4/13/2018	mg/kg		125
T6	T6-F-1.0	N	4/3/2018	mg/kg		221
T6	T6-F1-1.0	FD	4/3/2018	mg/kg		222
T7	T7-F-2.0	N	4/3/2018	mg/kg		195
T8	T8-F-2.0	N	4/3/2018	mg/kg		55.8
T9	T9-F-2.0	N	4/3/2018	mg/kg		101

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					Method	6010D
					Analyte	Total Lead
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Grid Location	Sample ID	Sample Type	Sample Date	Units		
U10	U10-F-2.0	N	4/3/2018	mg/kg		156
U11	U11-F-2.0	N	4/3/2018	mg/kg		90.1
U12	U12-F-2.0	N	5/3/2018	mg/kg		70.6
U13	U13-F-2.0	N	5/3/2018	mg/kg		58.4
U14	U14-F-2.0	N	5/3/2018	mg/kg		23.9
U15	U15-F1-2.0	FD	4/19/2018	mg/kg		36.1
U15	U15-F-2.0	N	4/19/2018	mg/kg		39.9
U16	U16-F-2.0	N	4/18/2018	mg/kg		327
U17	U17-F-2.0	N	4/18/2018	mg/kg		310
U18	U18-F-2.0	N	4/18/2018	mg/kg		18.9
U19	U19-F-2.0	N	4/18/2018	mg/kg		46.2
U19	U19-SW-1.0	N	4/19/2018	mg/kg		284
U1	U1-F-3.0	N	6/7/2018	mg/kg		79.8
U1	U1-SW-1.5	N	6/8/2018	mg/kg		<b>1110</b>
U2	U2-F-2.0	N	6/7/2018	mg/kg		120
U3	U3-F-2.0	N	6/7/2018	mg/kg		198
U4	U4-F-2.0	N	6/7/2018	mg/kg		91.6
U5	U5-F-1.0	N	6/7/2018	mg/kg		237
U6	U6-F-1.0	N	4/13/2018	mg/kg		307
U7	U7-F-1.0	N	4/13/2018	mg/kg		246
U8	U8-F-2.0	N	4/3/2018	mg/kg		125
U9	U9-F-2.0	N	4/3/2018	mg/kg		135
V10	V10-F-2.0	N	4/3/2018	mg/kg		310
V11	V11-F1-2.0	FD	4/3/2018	mg/kg		122
V11	V11-F-2.0	N	4/3/2018	mg/kg		76.0
V12	V12-F-2.0	N	5/3/2018	mg/kg		81.9
V13	V13-F-2.0	N	5/3/2018	mg/kg		133
V14	V14-F-2.0	N	5/3/2018	mg/kg		115
V15	V15-F-4.0	N	4/19/2018	mg/kg		43.9
V16	V16-F-3.0	N	4/18/2018	mg/kg		75.3
V17	V17-F-3.0	N	4/18/2018	mg/kg		14.7
V18	V18-F-3.0	N	4/18/2018	mg/kg		35.7
V19	V19-F-4.0	N	4/18/2018	mg/kg		189
V19	V19-SW-2.0	N	4/19/2018	mg/kg		38.5
V1	V1-F-4.0	N	6/7/2018	mg/kg		66.3
V1	V1-SW-2.0	N	6/8/2018	mg/kg		<b>1200</b>
V2	V2-F-3.0	N	6/7/2018	mg/kg		29.8
V3	V3-F-2.0	N	6/7/2018	mg/kg		149
V4	V4-F-2.0	N	6/7/2018	mg/kg		76.6

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
V5	V5-F-1.0	N	6/7/2018	mg/kg		262
V6	V6-F-1.0	N	5/15/2018	mg/kg		154
V7	V7-F-2.0	N	5/15/2018	mg/kg		22.7
V8	V8-F-2.0	N	4/3/2018	mg/kg		156
V9	V9-F-2.0	N	4/3/2018	mg/kg		172
W10	W10-F-2.0	N	4/3/2018	mg/kg		83.7
W11	W11-F-2.0	N	4/3/2018	mg/kg		172
W12	W12-F-2.0	N	5/3/2018	mg/kg		116
W13	W13-F-2.0	N	5/3/2018	mg/kg		115
W14	W14-F-2.0	N	5/3/2018	mg/kg		163
W15	W15-F1-4.0	FD	4/19/2018	mg/kg		28.2
W15	W15-F-4.0	N	4/19/2018	mg/kg		16.9
W16	W16-F-3.0	N	4/18/2018	mg/kg		30.6
W17	W17-F-3.0	N	4/18/2018	mg/kg		63.2
W18	W18-F1-5.0	FD	5/2/2018	mg/kg		169
W18	W18-F-4.0	N	4/18/2018	mg/kg		<b>488</b>
W18	W18-F-5.0	N	5/2/2018	mg/kg		73.4
W19	W19-F-4.0	N	4/18/2018	mg/kg		241
W1	W1-F-4.0	N	6/8/2018	mg/kg		17.1
W1	W1-SW-2.0	N	6/8/2018	mg/kg		<b>953</b>
W20	W20-F-4.0	N	4/13/2018	mg/kg		334
W20	W20-SW-2.0	N	4/19/2018	mg/kg		357
W21	W21-F1-4.0	FD	4/13/2018	mg/kg		9.85
W21	W21-F-4.0	N	4/13/2018	mg/kg		11.8
W21	W21-SW-2.0	N	4/19/2018	mg/kg		244
W2	W2-F-4.0	N	6/7/2018	mg/kg		137
W3	W3-F-2.0	N	6/7/2018	mg/kg		66.1
W4	W4-F-2.0	N	6/7/2018	mg/kg		77.5
W5	W5-F-3.0	N	6/7/2018	mg/kg		68.8
W6	W6A-F-3.0	N	5/29/2018	mg/kg		230
W6	W6-F-2.0	N	5/15/2018	mg/kg		<b>471</b>
W7	W7-F-2.0	N	5/15/2018	mg/kg		86.2
W8	W8-F-2.0	N	5/11/2018	mg/kg		337
W9	W9-F-2.0	N	4/3/2018	mg/kg		143
X10	X10-F-2.0	N	5/3/2018	mg/kg		104
X11	X11-F-2.0	N	5/3/2018	mg/kg		125
X12	X12-F-2.0	N	5/3/2018	mg/kg		60.9
X13	X13-F-2.0	N	5/3/2018	mg/kg		234
X14	X14-F-2.0	N	5/3/2018	mg/kg		183

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
X15	X15-F-4.0	N	4/19/2018	mg/kg		32.0
X16	X16-F-3.0	N	4/18/2018	mg/kg		9.67
X17	X17-F-3.0	N	4/18/2018	mg/kg		127
X18	X18-F-4.0	N	4/18/2018	mg/kg		148
X19	X19-F-4.0	N	4/18/2018	mg/kg		197
X1	X1-F-3.0	N	6/11/2018	mg/kg		28.0
X1	X1-SW-1.5-E	N	6/11/2018	mg/kg		<b>647</b>
X1	X1-SW-1.5-S	N	6/11/2018	mg/kg		29.8
X20	X20-F-4.0	N	4/13/2018	mg/kg		285
X21	X21-F-4.0	N	4/13/2018	mg/kg		<b>445</b>
X21	X21-F-6.0	N	5/2/2018	mg/kg		35.2
X21	X21-F-6.0	N	5/21/2018	mg/kg		61.9
X21	X21-SW-2.0	N	4/19/2018	mg/kg		355
X21	X21-SW-2.5	N	5/2/2018	mg/kg		<b>2490</b>
X21	X21-SW-2.5	N	5/21/2018	mg/kg		21.8
X21	X21-SW-5.5	N	5/2/2018	mg/kg		83.8
X21	X21-SW-5.5	N	5/21/2018	mg/kg		12.1
X22	X22-F1-6.0	FD	5/21/2018	mg/kg		52.9
X22	X22-F-6.0	N	5/21/2018	mg/kg		80.3
X22	X22-SW-2.5	N	5/21/2018	mg/kg		19.5
X22	X22-SW-5.5	N	5/21/2018	mg/kg		20.3
X2	X2-F-2.0	N	6/11/2018	mg/kg		18.7
X3	X3-F-2.0	N	6/7/2018	mg/kg		11.3
X4	X4-F-2.0	N	6/7/2018	mg/kg		9.86
X5	X5-F-3.0	N	6/7/2018	mg/kg		23.2
X6	X6-F-2.0	N	5/15/2018	mg/kg		360
X7	X7-F-2.0	N	5/15/2018	mg/kg		312
X8	X8A-F-3.0	N	5/22/2018	mg/kg		25.8
X8	X8-F-2.0	N	5/11/2018	mg/kg		<b>610</b>
X9	X9-F-2.0	N	5/11/2018	mg/kg		121
Y10	Y10-F-2.0	N	5/3/2018	mg/kg		49.0
Y11	Y11-F-2.0	N	5/3/2018	mg/kg		58.0
Y12	Y12-F-2.0	N	5/3/2018	mg/kg		92.4
Y13	Y13-F-2.0	N	5/3/2018	mg/kg		227
Y14	Y14-F-2.0	N	5/3/2018	mg/kg		87.2
Y15	Y15-F-1.0	N	4/19/2018	mg/kg		87.0
Y16	Y16-F-3.0	N	4/18/2018	mg/kg		43.6
Y17	Y17-F-3.0	N	4/18/2018	mg/kg		117
Y18	Y18-F-4.0	N	4/18/2018	mg/kg		189

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					Method	6010D
					Analyte	Total Lead
					Action Level (mg/kg)	400
Grid Location	Sample ID	Sample Type	Sample Date	Units		
Y19	Y19-F-4.0	N	4/18/2018	mg/kg		366
Y1	Y1-F-2.0	N	6/11/2018	mg/kg		14.9
Y20	Y20-F-4.0	N	4/13/2018	mg/kg		<b>1560</b>
Y20	Y20-F-5.0	N	5/2/2018	mg/kg		277
Y21	Y21-F-4.0	N	4/13/2018	mg/kg		188
Y21	Y21-SW-2.0	N	4/19/2018	mg/kg		18.1
Y22	Y22-F-4.0	N	4/13/2018	mg/kg		20.7
Y2	Y2-F-2.0	N	6/11/2018	mg/kg		16.0
Y2	Y2-SW-1.0	N	6/11/2018	mg/kg		11.4
Y3	Y3-F1-2.0	FD	6/11/2018	mg/kg		10.0
Y3	Y3-F-2.0	N	6/11/2018	mg/kg		12.9
Y3	Y3-SW-1.0	N	6/11/2018	mg/kg		18.5
Y4	Y4-F-2.0	N	6/5/2018	mg/kg		17.1
Y5	Y5-F-2.0	N	6/5/2018	mg/kg		19.0
Y6	Y6-F1-2.0	FD	5/15/2018	mg/kg		20.7
Y6	Y6-F-2.0	N	5/15/2018	mg/kg		20.0
Y7	Y7-F-2.0	N	5/15/2018	mg/kg		291
Y8	Y8-F-2.0	N	5/11/2018	mg/kg		55.4
Y9	Y9-F-2.0	N	5/11/2018	mg/kg		85.7
Z10	Z10-F1-2.0	N	5/3/2018	mg/kg		91.8
Z10	Z10-F-2.0	N	5/3/2018	mg/kg		103
Z11	Z11-F-2.0	N	5/3/2018	mg/kg		136
Z12	Z12-F-2.0	N	5/3/2018	mg/kg		110
Z13	Z13-F1-2.0	FD	5/3/2018	mg/kg		99.9
Z13	Z13-F-2.0	N	5/3/2018	mg/kg		102
Z14	Z14-F-1.0	N	5/3/2018	mg/kg		196
Z15	Z15-F-1.0	N	4/19/2018	mg/kg		265
Z16	Z16-F-3.0	N	4/18/2018	mg/kg		63.6
Z17	Z17-F-4.0	N	4/18/2018	mg/kg		34.7
Z18	Z18-F-4.0	N	4/18/2018	mg/kg		<b>413</b>
Z18	Z18-F-5.0	N	5/2/2018	mg/kg		22.7
Z19	Z19-F-4.0	N	4/18/2018	mg/kg		<b>448</b>
Z19	Z19-F-5.0	N	5/2/2018	mg/kg		95.7
Z20	Z20-F-4.0	N	4/13/2018	mg/kg		367
Z21	Z21-F-4.0	N	4/13/2018	mg/kg		303
Z22	Z22-F-4.0	N	4/13/2018	mg/kg		17.8
Z22	Z22-SW-2.5	N	4/19/2018	mg/kg		93.6
Z3	Z3-F-2.0	N	6/11/2018	mg/kg		14.5
Z4	Z4-F-2.0	N	6/5/2018	mg/kg		16.7



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					Method	6010D
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Grid Location	Sample ID	Sample Type	Sample Date	Units		
Z4	Z4-SW-1.0	N	6/5/2018	mg/kg		14.2
Z5	Z5-F1-2.0	FD	6/5/2018	mg/kg		12.7
Z5	Z5-F-2.0	N	6/5/2018	mg/kg		23.6
Z6	Z6-F1-2.0	FD	5/15/2018	mg/kg		11.6
Z6	Z6-F-2.0	N	5/15/2018	mg/kg		13.5
Z7	Z7-F-2.0	N	5/11/2018	mg/kg		16.4
Z8	Z8-F-2.0	N	5/11/2018	mg/kg		227
Z9	Z9-F-2.0	N	5/11/2018	mg/kg		84.0

- Sample ID was incorrect. Survey is correct and Column A is correct.
- Overexcavated grid
- Sample exceeds 400 mg/kg total lead
- N : Normal
- FD : Field Duplicate

**APPENDIX C**  
**PROFESSIONAL CERTIFICATION**

**PROFESSIONAL CERTIFICATION**

I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Charles T. Ferry  
Printed Name and GA PE Number

12/14/2018  
Date

