



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

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Attn: **Jim Guilardi**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

9/5/2017

Phone: (856) 840-8800  
Fax: (856) 840-8815

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/1/2017. The results are tabulated on the attached data pages for the following client designated project:

The reference number for these samples is EMSL Order #011707116. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

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Phillip Worby, Environmental Chemistry  
Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.  
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

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<http://www.EMSL.com> [EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 011707116  
 CustomerID: TTIE54  
 CustomerPO: 023435  
 ProjectID:

Attn: **Jim Guilardi**  
**TTI Environmental Inc.**  
**1253 North Church Street**  
**Moorestown, NJ 08057**

Phone: (856) 840-8800  
 Fax: (856) 840-8815  
 Received: 09/01/17 9:05 AM

**Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FC17-135-01		9/1/2017		011707116-0001			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FC17-135-02		9/1/2017		011707116-0002			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FB17-103		9/1/2017		011707116-0003			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
Second Draw RD-FB17-103 F		9/1/2017		011707116-0004			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FC17-BY522-01		9/1/2017		011707116-0005			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FC17-BY522-02		9/1/2017		011707116-0006			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
First Draw RD-FC17-113		9/1/2017		011707116-0007			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID:</i>			
Second Draw RD-FC17-113 F		9/1/2017		011707116-0008			
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>

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EMSL Order: 011707116  
 CustomerID: TTIE54  
 CustomerPO: 023435  
 ProjectID:

Attn: **Jim Guillard** Phone: (856) 840-8800  
**TTI Environmental Inc.** Fax: (856) 840-8815  
**1253 North Church Street** Received: 09/01/17 9:05 AM  
**Moorestown, NJ 08057**

**Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0008</i>		
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0009</i>		
Second Draw RD-FC17-113 F							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0010</i>		
First Draw RD-FC17-By Room 131-01							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0011</i>		
First Draw RD-FC17-By Room 131-02							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0012</i>		
First Draw RD-FC17-By Room 421-01							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0013</i>		
First Draw RD-FC17-By Room 421-02							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0014</i>		
First Draw RD-FC17-By Room 513-01							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0015</i>		
First Draw RD-FC17-By Room 513-02							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>9/1/2017</i>	<i>Lab ID:</i>	<i>011707116-0015</i>		
First Draw RD-FC17-370							
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00 µg/L	9/5/2017	SM	9/5/2017	SM

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**1253 North Church Street** Received: 09/01/17 9:05 AM  
**Moorestown, NJ 08057**

**Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>					
First Draw RD-FC17-370		9/1/2017	011707116-0015					
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>					
Second Draw RD-FC17-370 F		9/1/2017	011707116-0016					
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>					
First Draw RD-FC17-By Room 208-01		9/1/2017	011707116-0017					
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	9/5/2017	SM	9/5/2017	SM
<i>Client Sample Description</i>		<i>Collected:</i>	<i>Lab ID:</i>					
First Draw RD-FC17-By Room 208-02		9/1/2017	011707116-0018					
<i>Method</i>	<i>Parameter</i>	<i>Result</i>	<i>RL</i>	<i>Units</i>	<i>Prep Date</i>	<i>Analyst</i>	<i>Analysis Date</i>	<i>Analyst</i>
200.8	Lead	ND	1.00	µg/L	9/5/2017	SM	9/5/2017	SM

**Definitions:**

ND - indicates that the analyte was not detected at the reporting limit  
 RL - Reporting Limit (Analytical)

Order ID: 011707116

023435

011707116



EMSL ANALYTICAL, INC. LABORATORY PRODUCTS TRAINING

Chain of Custody EMSL Order Number (Lab Use Only):

201708946 CO 9/1/17

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 786-5974

Company: TTI Environmental Inc. Street: 1253 North Church St. City: Morristown State/Province: NJ Zip/Postal Code: Country: Report To (Name): Jim Covillardi Telephone #: 609-314-1683 Project Name/Number: Please Provide Results: [ ] Fax [X] Email Purchase Order: U.S. State Samples Taken: NJ Turnaround Time (TAT) Options\* - Please Check [ ] 3 Hour [ ] 6 Hour [X] 24 Hour [X] 48 Hour [ ] 72 Hour [ ] 96 Hour [ ] 1 Week [ ] 2 Week Asbestos PCM - Air PLM - Bulk TEM - Bulk TEM - Water TEM - Dust Lead (Pb) Flame Atomic Absorption ICP Graphite Furnace Atomic Absorption Other: Microbiology Wipe and Bulk Samples Air Samples Real Time Q-PCR Legionella Water Samples Other: Materials Science IAQ \*\*Comments/Special Instructions: Client Sample #'s Total # of Samples: Relinquished (Client): Date: 8/1/17 Time: 8:40 AM Received (Lab): Date: 9-1-17 Time: 9am Analysis Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide Controlled Document - One Chain-R2-1/12/2010

Analysis adjusted  $\leq 2$  9/1/17 905 gm - AK

ICP MS per Scott R. 9/1/17, e.o.

011707116

**Microbiology Chain of Custody**

EMSL Order Number (Lab Use Only):

201708916

C.D.  
9/1/17

PHONE:  
FAX:

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
1	FIRST DRAW RD-FC17-135-01	WATER	200.9	250 ml	9/1/17 5:25 AM
2	FIRST DRAW RD-FC17-135-02				5:25 AM
3	FIRST DRAW RD-FB17-103				5:31 AM
4	SECOND DRAW RD-FB17-103 F				5:32 AM
5	FIRST DRAW RD-FC17-By522-01				5:32 AM
6	FIRST DRAW RD-FC17-By522-02				5:37 AM
7	FIRST DRAW RD-FC17-113				5:37 AM
8	SECOND DRAW RD-FC17-113 F				5:38 AM
9	FIRST DRAW RD-FC17-ByRoom 131-01				5:40
10	FIRST DRAW RD-FC17-ByRoom 131-02				5:41
11	FIRST DRAW RD-FC17-ByRoom 421-01				5:45
12	FIRST DRAW RD-FC17-ByRoom 421-02				5:45
13	FIRST DRAW RD-FC17-ByRoom 513-01				5:48
14	FIRST DRAW RD-FC17-ByRoom 513-02				5:48
15	FIRST DRAW RD-FC17-370				5:59
16	SECOND DRAW RD-FC17-370-F				6:00 AM
17	FIRST DRAW RD-FC17-ByRoom 208-01				6:00 AM
18	FIRST DRAW RD-FC17-ByRoom 208-02	↓	↓	↓	↓

\*\*Comments/Special Instructions:

Roseland Board of Education

17-1245