

The following indoor air quality samples tested for Arsenic, Barium, Cadmium, Chromium, Lead, Selenium and Silver. This data indicates the metals were either not detected at all, or detected at levels less than what is considered “actionable” by environmental specialists.

Five (5) indoor air samples returned detections for Chromium. All five of these samples are within the range of control samples taken in outdoor air. Two (2) indoor air samples detected lead.

One detection is in an area already restricted by building management, and the other sample was within the Federal Occupational Health (FOH) recommended indoor air quality levels (> 3.0 micrograms/cubic meter). No Arsenic, Barium, Cadmium, Selenium or Silver was detected.

GSA’s environmental team consulted with professionals from the National Institute of Occupational Safety and Health in concluding that no action is required based on this raw data.

Final results from this sampling effort are expected to be available in January 2017. If you have any questions, please email r6environmental@gsa.gov and GSA will provide responses from the appropriate experts.



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

9/20/2016

Phone: (314) 569-9368
Fax: (314) 692-8810

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/13/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161616681. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616681
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/13/16 10:30 AM
 Collected: 9/9/2016

Project: 15167203

Analytical Results

Client Sample Description 014 **Collected:** 9/9/2016 **Lab ID:** 0001
 N Side Entrance Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 015 **Collected:** 9/9/2016 **Lab ID:** 0002
 2nd Flr @ Column L28 Back Locker Rm
 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	0.52	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 016 **Collected:** 9/9/2016 **Lab ID:** 0003
 2nd Flr Office Column N26 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 017 **Collected:** 9/9/2016 **Lab ID:** 0004
 2nd Flr Office Column P24 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616681
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/13/16 10:30 AM
 Collected: 9/9/2016

Project: 15167203

Analytical Results

Client Sample Description 017 **Collected:** 9/9/2016 **Lab ID:** 0004
 2nd Flr Office Column P24 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 018 **Collected:** 9/9/2016 **Lab ID:** 0005
 2nd Flr Office Column N22 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 019 **Collected:** 9/9/2016 **Lab ID:** 0006
 2nd Flr N Exit Column N20 Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 020 **Collected:** 9/9/2016 **Lab ID:** 0007
 Basement @ Tunnel Door Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616681
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/13/16 10:30 AM
 Collected: 9/9/2016

Project: 15167203

Analytical Results

Client Sample Description 020 **Collected:** 9/9/2016 **Lab ID:** 0007
 Basement @ Tunnel Door Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
--------	-----------	--------	----	-------	-----------	---------	---------------	---------

Client Sample Description 021 **Collected:** 9/9/2016 **Lab ID:** 0008
 Basement Boiler Rm Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 022 **Collected:** 9/9/2016 **Lab ID:** 0009
 Outside SE Exit Bldg. 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Client Sample Description 023 **Collected:** 9/9/2016 **Lab ID:** 0010
 1st Flr Hall Outside GSA Fl. Mang. Bldg.
 102E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616681
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/13/16 10:30 AM
 Collected: 9/9/2016

Project: 15167203

Analytical Results

Client Sample Description 024 **Collected:** 9/9/2016 **Lab ID:** 0011
 1st Fir USDA Office Near Copier Bldg. 102E

<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>
NIOSH 7303	Arsenic	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Barium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Cadmium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Chromium	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Lead	ND	0.52	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Selenium	ND	1.0	µg/m ³	9/15/2016	TD	9/15/2016	TD
NIOSH 7303	Silver	ND	0.21	µg/m ³	9/15/2016	TD	9/15/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

9/15/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/9/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161616477. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

Report amended 09/15/2016 10:31:55 Replaces initial report from 09/14/2016 16:08:48

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616477
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/09/16 9:20 AM
 Collected: 9/7/2016

Project: 15167203

Analytical Results

Client Sample Description 001 **Collected:** 9/7/2016 **Lab ID:** 0001
 Outside SW entrance, Bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 002 **Collected:** 9/7/2016 **Lab ID:** 0002
 Office copy area NE side bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 003 **Collected:** 9/7/2016 **Lab ID:** 0003
 NW stairwell bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 004 **Collected:** 9/7/2016 **Lab ID:** 0004
 West side conference rm bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616477
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/09/16 9:20 AM
 Collected: 9/7/2016

Project: 15167203

Analytical Results

Client Sample Description 004 **Collected:** 9/7/2016 **Lab ID:** 0004
 West side conference rm bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 005 **Collected:** 9/7/2016 **Lab ID:** 0005
 SE offices bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 006 **Collected:** 9/7/2016 **Lab ID:** 0006
 East center hall bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 007 **Collected:** 9/7/2016 **Lab ID:** 0007
 South vestibule bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616477
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/09/16 9:20 AM
 Collected: 9/7/2016

Project: 15167203

Analytical Results

Client Sample Description 008 **Collected:** 9/7/2016 **Lab ID:** 0008
 Office 100 SE end bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 009 **Collected:** 9/7/2016 **Lab ID:** 0009
 Outside NE entrance bldg 107 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 010 **Collected:** 9/7/2016 **Lab ID:** 0010
 Room 244 SE bldg 107 2nd flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 011 **Collected:** 9/7/2016 **Lab ID:** 0011
 North hall between column c&d6 bldg 107
 2nd flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.1	5.1	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161616477
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/09/16 9:20 AM
 Collected: 9/7/2016

Project: 15167203

Analytical Results

Client Sample Description 011 **Collected:** 9/7/2016 **Lab ID:** 0011
 North hall between column c&d6 bldg 107
 2nd flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Chromium	<0.51	0.51	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.51	0.51	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 012 **Collected:** 9/7/2016 **Lab ID:** 0012
 Basement @ stairs to 1st flr

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Client Sample Description 013 **Collected:** 9/7/2016 **Lab ID:** 0013
 Basement @ crawl space door

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Barium	<5.2	5.2	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Cadmium	<0.21	0.21	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Chromium	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Lead	<0.52	0.52	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Selenium	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD
7300 Modified	Silver	<1.0	1.0	µg/m ³	9/12/2016	TD	9/12/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

9/23/2016

Phone: (314) 569-9368
Fax: (314) 692-8810

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/19/2016. The results are tabulated on the attached data pages for the following client designated project:

15067203

The reference number for these samples is EMSL Order #161617083. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617083
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/19/16 9:50 AM
 Collected: 9/15/2016

Project: 15067203

Analytical Results

Client Sample Description 038 **Collected:** 9/14/2016 **Lab ID:** 0001
 Outside S Entrance Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 039 **Collected:** 9/14/2016 **Lab ID:** 0002
 1st Flr Office S Conference Rm Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 040 **Collected:** 9/14/2016 **Lab ID:** 0003
 1st Flr E Hall @ S Door Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 041 **Collected:** 9/14/2016 **Lab ID:** 0004
 1st Flr Break Room Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617083
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 09/19/16 9:50 AM
Collected: 9/15/2016

Project: 15067203

Analytical Results

Client Sample Description 041 **Collected:** 9/14/2016 **Lab ID:** 0004
1st Flr Break Room Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 042 **Collected:** 9/14/2016 **Lab ID:** 0005
1st Flr Men's Restroom Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 043 **Collected:** 9/14/2016 **Lab ID:** 0006
1st Flr N Stairs Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 044 **Collected:** 9/14/2016 **Lab ID:** 0007
Basement Sump Area Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617083
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/19/16 9:50 AM
 Collected: 9/15/2016

Project: 15067203

Analytical Results

Client Sample Description 045 **Collected:** 9/14/2016 **Lab ID:** 0008
 Basement Tunnel Entrance Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 046 **Collected:** 9/15/2016 **Lab ID:** 0009
 2nd Flr Breakroom Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 047 **Collected:** 9/15/2016 **Lab ID:** 0010
 2nd Flr Office Center Hall Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 048 **Collected:** 9/15/2016 **Lab ID:** 0011
 2nd Flr South End Office Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/19/2016	TD	9/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617083
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/19/16 9:50 AM
 Collected: 9/15/2016

Project: **15067203**

Analytical Results

Client Sample Description 048 **Collected:** 9/15/2016 **Lab ID:** 0011
 2nd Flr South End Office Bldg. 104E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m³	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m³	9/19/2016	TD	9/19/2016	TD

Client Sample Description 049 **Collected:** **Lab ID:** 0012
 Blank - Lot #42692

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Barium	ND	5.0	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Chromium	ND	0.50	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Lead	ND	0.50	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/filter	9/19/2016	TD	9/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/filter	9/19/2016	TD	9/19/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

9/28/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/22/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161617371. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)



Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 059 **Collected:** 9/19/2016 **Lab ID:** 0001
 Outside N Entrance Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 060 **Collected:** 9/19/2016 **Lab ID:** 0002
 1st Flr Security Office @ H3 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 061 **Collected:** 9/19/2016 **Lab ID:** 0003
 1st Flr Breakrm North @ E2 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 062 **Collected:** 9/19/2016 **Lab ID:** 0004
 1st Flr Office @ C5 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 09/22/16 10:05 AM
Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 062 **Collected:** 9/19/2016 **Lab ID:** 0004
1st Flr Office @ C5 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 063 **Collected:** 9/19/2016 **Lab ID:** 0005
1st Flr East Stairway @ B12 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 064 **Collected:** 9/19/2016 **Lab ID:** 0006
1st Flr Hall @ B21 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 065 **Collected:** 9/19/2016 **Lab ID:** 0007
1st Flr Hall @ E31 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 066 **Collected:** 9/19/2016 **Lab ID:** 0008
 1st Flr South Breakrm @ H37 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 067 **Collected:** 9/20/2016 **Lab ID:** 0009
 2nd Flr Office @ D3 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 068 **Collected:** 9/20/2016 **Lab ID:** 0010
 2nd Flr Office @ F6 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 069 **Collected:** 9/20/2016 **Lab ID:** 0011
 2nd Flr Breakrm @ H6 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 069 **Collected:** 9/20/2016 **Lab ID:** 0011
 2nd Flr Breakrm @ H6 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 070 **Collected:** 9/20/2016 **Lab ID:** 0012
 2nd Flr Hall @ H14 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 071 **Collected:** 9/20/2016 **Lab ID:** 0013
 2nd Flr Hall @ B20 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 072 **Collected:** 9/20/2016 **Lab ID:** 0014
 2nd Flr Hall @ G31 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 073 **Collected:** 9/20/2016 **Lab ID:** 0015
 2nd Flr USDA @ F36 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 074 **Collected:** 9/20/2016 **Lab ID:** 0016
 2nd Flr Hall @ C35 Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 075 **Collected:** 9/21/2016 **Lab ID:** 0017
 Basement Near Entrance Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.1	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.51	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.51	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 076 **Collected:** 9/21/2016 **Lab ID:** 0018
 Basement @ South Tunnel Entrance Bldg.
 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.1	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617371
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 076 **Collected:** 9/21/2016 **Lab ID:** 0018
 Basement @ South Tunnel Entrance Bldg.
 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Chromium	ND	0.51	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.51	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 077 **Collected:** 9/21/2016 **Lab ID:** 0019
 Basement West Center Bldg. 103

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description **Collected:** **Lab ID:** 0020
 Blank - Box #42692

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.20	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW

Definitions:

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

EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

9/29/2016

Phone: (314) 569-9368
Fax: (314) 692-8810

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/23/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161617503. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617503
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/23/16 9:15 AM
 Collected: 9/22/2016

Project: 15167203

Analytical Results

Client Sample Description 030 **Collected:** 9/13/2016 **Lab ID:** 0001
 OUTSIDE S ENTRANCE BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 031 **Collected:** 9/13/2016 **Lab ID:** 0002
 N STAIRWELL 1ST FLR BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 032 **Collected:** 9/13/2016 **Lab ID:** 0003
 N BREAKROOM 1ST FLR BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 033 **Collected:** 9/13/2016 **Lab ID:** 0004
 EXAM RM 107 1ST FLR BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.1	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.51	µg/m ³	9/26/2016	TD	9/27/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617503
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/23/16 9:15 AM
 Collected: 9/22/2016

Project: 15167203

Analytical Results

Client Sample Description 033 **Collected:** 9/13/2016 **Lab ID:** 0004
 EXAM RM 107 1ST FLR BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.51	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 034 **Collected:** 9/13/2016 **Lab ID:** 0005
 S VESTIBULE & STAIRS 1ST FLR BLDG.
 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 035 **Collected:** 9/13/2016 **Lab ID:** 0006
 EXAM RM 118 1ST FLR BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 036 **Collected:** 9/13/2016 **Lab ID:** 0007
 BASEMENT SUMP AREA BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617503
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/23/16 9:15 AM
 Collected: 9/22/2016

Project: 15167203

Analytical Results

Client Sample Description 037 **Collected:** 9/13/2016 **Lab ID:** 0008
 BASEMENT N TUNNEL ENTRANCE
 BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 082 **Collected:** 9/22/2016 **Lab ID:** 0009
 2ND FLR OFFICE @ P38 BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Client Sample Description 083 **Collected:** 9/22/2016 **Lab ID:** 0010
 2ND FLR OFFICE @ P33 BLDG. 103D

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/26/2016	TD	9/27/2016	DW

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

9/28/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/22/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161617375. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617375
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 078 **Collected:** 9/21/2016 **Lab ID:** 0001
 Outside North End Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.20	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW

Client Sample Description 079 **Collected:** 9/21/2016 **Lab ID:** 0002
 1st Fir North Reception Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.20	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW

Client Sample Description 080 **Collected:** 9/21/2016 **Lab ID:** 0003
 1st Fir Center Workout Area Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.20	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	1.9	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW

Client Sample Description 081 **Collected:** 9/21/2016 **Lab ID:** 0004
 1st Fir South Fitness Rm Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.20	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617375
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 081 **Collected:** 9/21/2016 **Lab ID:** 0004
 1st Flr South Fitness Rm Bldg. 115

<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>
7300 Modified	Lead	ND	0.50	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/filter	9/22/2016	TD	9/22/2016	DW

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/3/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/22/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161617375. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617375
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 078 **Collected:** 9/21/2016 **Lab ID:** 0001
 Outside North End Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 079 **Collected:** 9/21/2016 **Lab ID:** 0002
 1st Fir North Reception Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 080 **Collected:** 9/21/2016 **Lab ID:** 0003
 1st Fir Center Workout Area Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	2.0	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Client Sample Description 081 **Collected:** 9/21/2016 **Lab ID:** 0004
 1st Fir South Fitness Rm Bldg. 115

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Barium	ND	5.2	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Chromium	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617375
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/22/16 10:05 AM
 Collected: 9/21/2016

Project: 15167203

Analytical Results

Client Sample Description 081 **Collected:** 9/21/2016 **Lab ID:** 0004
 1st Flr South Fitness Rm Bldg. 115

<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>
7300 Modified	Lead	ND	0.52	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Selenium	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW
7300 Modified	Silver	ND	1.0	µg/m ³	9/22/2016	TD	9/22/2016	DW

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/10/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/3/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161618139. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618139
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/29/2016

Project: 15167203

Analytical Results

Client Sample Description 113 **Collected:** 9/28/2016 **Lab ID:** 0001
 Outside S Entrance Bldg 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 114 **Collected:** 9/28/2016 **Lab ID:** 0002
 1st Flr Mail Rm Warehouse @ O52 Bldg.
 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 115 **Collected:** 9/28/2016 **Lab ID:** 0003
 1st Flr Mail Rm Warehouse @ N50 Bldg.
 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 116 **Collected:** 9/28/2016 **Lab ID:** 0004
 1st Flr Mail Rm Paper Storage @ O46
 Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618139
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/29/2016

Project: 15167203

Analytical Results

Client Sample Description 116 **Collected:** 9/28/2016 **Lab ID:** 0004
 1st Fir Mail Rm Paper Storage @ O46
 Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Cadmium	ND	0.21	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 117 **Collected:** 9/28/2016 **Lab ID:** 0005
 1st Fir N Store Room @ P44 Bldg 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 118 **Collected:** 9/28/2016 **Lab ID:** 0006
 1st Fir N Stairway Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 119 **Collected:** 9/28/2016 **Lab ID:** 0007
 2nd Flr Mech Rm N Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m³	10/4/2016	TD	10/4/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618139
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/29/2016

Project: 15167203

Analytical Results

Client Sample Description 119 **Collected:** 9/28/2016 **Lab ID:** 0007
 2nd Flr Mech Rm N Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 120 **Collected:** 9/29/2016 **Lab ID:** 0008
 2nd Flr Office @ N Copier Bldg 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 121 **Collected:** 9/29/2016 **Lab ID:** 0009
 2nd Flr Office @ S Copier Bldg. 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	0.55	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 122 **Collected:** 9/29/2016 **Lab ID:** 0010
 Basement @ Tunnel Entrance Bldg 105E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618139
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/29/2016

Project: 15167203

Analytical Results

Client Sample Description 123 **Collected:** 9/29/2016 **Lab ID:** 0011
 Basement @ Sump Bldg 105E

<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>
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	1.1	0.52	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/4/2016	TD	10/4/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/10/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/3/2016. The results are tabulated on the attached data pages for the following client designated project:

151617203

The reference number for these samples is EMSL Order #161618137. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618137
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/30/2016

Project: 151617203

Analytical Results

Client Sample Description 124 **Collected:** 9/29/2016 **Lab ID:** 0001
 Basement @ Tunnel Entrance Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 125 **Collected:** 9/29/2016 **Lab ID:** 0002
 Basement @ Sump Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 126 **Collected:** 9/29/2016 **Lab ID:** 0003
 Outside E Side Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 127 **Collected:** 9/29/2016 **Lab ID:** 0004
 1st Flr N Entrance Vestibule Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618137
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/30/2016

Project: 151617203

Analytical Results

Client Sample Description 127 **Collected:** 9/29/2016 **Lab ID:** 0004
 1st Flr N Entrance Vestibule Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 128 **Collected:** 9/30/2016 **Lab ID:** 0005
 2nd Flr Office Area Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 129 **Collected:** 9/30/2016 **Lab ID:** 0006
 2nd Flr Office Meeting Rm N Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 130 **Collected:** 9/30/2016 **Lab ID:** 0007
 2nd Flr Office Meeting Rm N Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618137
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/30/2016

Project: 151617203

Analytical Results

Client Sample Description 131 **Collected:** 9/30/2016 **Lab ID:** 0008
 1st Flr Office @ Breakroom Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 132 **Collected:** 9/30/2016 **Lab ID:** 0009
 1st Flr Snack Bar Area Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 133 **Collected:** 9/30/2016 **Lab ID:** 0010
 1st Flr @ S Elevator Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Client Sample Description 134 **Collected:** 9/30/2016 **Lab ID:** 0011
 Outside SE Entrance Under Walk Over
 Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Barium	ND	0.0052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Cadmium	ND	0.00021	mg/m ³	10/4/2016	TD	10/4/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618137
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/03/16 9:25 AM
 Collected: 9/30/2016

Project: 151617203

Analytical Results

Client Sample Description 134 **Collected:** 9/30/2016 **Lab ID:** 0011
 Outside SE Entrance Under Walk Over
 Bldg. 105F

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Chromium	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Lead	ND	0.00052	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Selenium	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD
7300 Modified	Silver	ND	0.0010	mg/m ³	10/4/2016	TD	10/4/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

11/1/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/26/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161619865. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619865
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/26/16 10:10 AM
 Collected: 10/24/2016

Project: 15167203

Analytical Results

Client Sample Description 206 **Collected:** 10/24/2016 **Lab ID:** 0001
 Outside N Entrance Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.1	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.51	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.51	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 207 **Collected:** 10/24/2016 **Lab ID:** 0002
 1st Flr N Stairway Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 208 **Collected:** 10/24/2016 **Lab ID:** 0003
 Basement @ Sump Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 209 **Collected:** 10/24/2016 **Lab ID:** 0004
 Basement @ Tunnel Entrance Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619865
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/26/16 10:10 AM
 Collected: 10/24/2016

Project: 15167203

Analytical Results

Client Sample Description 209 **Collected:** 10/24/2016 **Lab ID:** 0004
 Basement @ Tunnel Entrance Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 210 **Collected:** 10/24/2016 **Lab ID:** 0005
 1st Flr Office @ N22 Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 211 **Collected:** 10/24/2016 **Lab ID:** 0006
 1st Flr Office @ N26 Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Client Sample Description 212 **Collected:** 10/24/2016 **Lab ID:** 0007
 2nd Flr Office N End Bldg. 103E

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619865
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/26/16 10:10 AM
 Collected: 10/24/2016

Project: 15167203

Analytical Results

Client Sample Description 213 **Collected:** 10/24/2016 **Lab ID:** 0008
 2nd Flr Office S End Bldg. 103E

<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>
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/31/2016	TD	11/1/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/4/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/28/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161617862. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 09/28/16 10:35 AM
Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 089 **Collected:** 9/23/2016 **Lab ID:** 0001
Outside S Entrance Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.4	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.54	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.54	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 090 **Collected:** 9/23/2016 **Lab ID:** 0002
2nd Flr USDA @ FSI Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 091 **Collected:** 9/23/2016 **Lab ID:** 0003
2nd Flr USDA @ B48 Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 092 **Collected:** 9/23/2016 **Lab ID:** 0004
2nd Flr USDA @ G41 Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 092 **Collected:** 9/23/2016 **Lab ID:** 0004
 2nd Flr USDA @ G41 Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 093 **Collected:** 9/23/2016 **Lab ID:** 0005
 2nd Flr USDA @ F30 Hall Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 094 **Collected:** 9/23/2016 **Lab ID:** 0006
 2nd Flr USDA @ G23 Office Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 095 **Collected:** 9/23/2016 **Lab ID:** 0007
 2nd Flr E Breakrm Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 096 **Collected:** 9/23/2016 **Lab ID:** 0008
 2nd Fire Elevator Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 097 **Collected:** 9/26/2016 **Lab ID:** 0009
 Outside N Entrance Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	0.62	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 098 **Collected:** 9/26/2016 **Lab ID:** 0010
 1st Flr Office @ H4 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 099 **Collected:** 9/26/2016 **Lab ID:** 0011
 1st Flr Relocation @ B8 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 099 **Collected:** 9/26/2016 **Lab ID:** 0011
 1st Flr Relocation @ B8 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 100 **Collected:** 9/26/2016 **Lab ID:** 0012
 1st Flr Mailroom @ F7-E7 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 101 **Collected:** 9/26/2016 **Lab ID:** 0013
 1st Flr File Rm @ A13 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 102 **Collected:** 9/26/2016 **Lab ID:** 0014
 1st Flr File Rm @ E17 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 103 **Collected:** 9/26/2016 **Lab ID:** 0015
 1st Flr File Rm @ J23 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 104 **Collected:** 9/26/2016 **Lab ID:** 0016
 1st Flr Breakrm @ F30 VA Bldg 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	0.53	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 105 **Collected:** 9/27/2016 **Lab ID:** 0017
 Basement Near Shelter Entrance Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 106 **Collected:** 9/27/2016 **Lab ID:** 0018
 Basement @ B27 Tunnel Entrance Bldg.
 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 106 **Collected:** 9/27/2016 **Lab ID:** 0018
 Basement @ B27 Tunnel Entrance Bldg.
 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Chromium	ND	0.53	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 107 **Collected:** 9/27/2016 **Lab ID:** 0019
 Basement S Boiler Rm Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 108 **Collected:** 9/27/2016 **Lab ID:** 0020
 1st Flr File Rm @ A35 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	9/30/2016	TD	9/30/2016	TD

Client Sample Description 109 **Collected:** 9/27/2016 **Lab ID:** 0021
 1st Flr File Rm @ E40 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			9/30/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results

Client Sample Description 109 **Collected:** 9/27/2016 **Lab ID:** 0021
 1st Flr File Rm @ E40 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Silver	ND	1.0	µg/m ³			9/30/2016	TD

Client Sample Description 110 **Collected:** 9/27/2016 **Lab ID:** 0022
 1st Flr W Stairway @ J44 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³			9/30/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³			9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			9/30/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³			9/30/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³			9/30/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³			9/30/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³			9/30/2016	TD

Client Sample Description 111 **Collected:** 9/27/2016 **Lab ID:** 0023
 1st Flr Loading Dock @ B45 VA Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			9/30/2016	TD

Client Sample Description 112 **Collected:** 9/27/2016 **Lab ID:** 0024
 1st Flr File Rm @ E52 Bldg. 104

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			9/30/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			9/30/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			9/30/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			9/30/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161617862
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 09/28/16 10:35 AM
 Collected: 9/27/2016

Project: 15167203

Analytical Results**Client Sample Description**

Blank Box #42692

Collected: 9/23/2016 **Lab ID:** 0025

<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>
7300 Modified	Arsenic	ND	1.0	µg/filter			9/30/2016	TD
7300 Modified	Barium	ND	5.0	µg/filter			9/30/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/filter			9/30/2016	TD
7300 Modified	Chromium	ND	0.50	µg/filter			9/30/2016	TD
7300 Modified	Lead	ND	0.50	µg/filter			9/30/2016	TD
7300 Modified	Selenium	ND	1.0	µg/filter			9/30/2016	TD
7300 Modified	Silver	ND	1.0	µg/filter			9/30/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/17/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/10/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161618645. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 135 **Collected:** 10/3/2016 **Lab ID:** 0001
 Outside N Entrance Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 136 **Collected:** 10/3/2016 **Lab ID:** 0002
 2nd Flr N Office @ H5 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 137 **Collected:** 10/3/2016 **Lab ID:** 0003
 2nd Flr N Office @ D4 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 138 **Collected:** 10/3/2016 **Lab ID:** 0004
 2nd Flr Office @ G9 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 10/10/16 9:35 AM
Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 138 **Collected:** 10/3/2016 **Lab ID:** 0004
2nd Flr Office @ G9 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 139 **Collected:** 10/3/2016 **Lab ID:** 0005
2nd Flr Office @ D13 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 140 **Collected:** 10/3/2016 **Lab ID:** 0006
2nd Flr Breakrm @ B17 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 141 **Collected:** 10/3/2016 **Lab ID:** 0007
2nd Flr Office @ D22 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 142 **Collected:** 10/3/2016 **Lab ID:** 0008
 2nd Flr Office @ H25 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 145 **Collected:** 10/4/2016 **Lab ID:** 0009
 1st Flr Office @ H6 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 146 **Collected:** 10/4/2016 **Lab ID:** 0010
 1st Flr Breakroom @ A10 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 147 **Collected:** 10/4/2016 **Lab ID:** 0011
 1st Flr Office @ E12 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 147 **Collected:** 10/4/2016 **Lab ID:** 0011
 1st Flr Office @ E12 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 148 **Collected:** 10/4/2016 **Lab ID:** 0012
 1st Flr Office @ H15 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 149 **Collected:** 10/4/2016 **Lab ID:** 0013
 1st Flr Office @ F22 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 150 **Collected:** 10/4/2016 **Lab ID:** 0014
 1st Flr Breakroom @ A20 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³	10/14/2016	TD	10/14/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 10/10/16 9:35 AM
Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 151 **Collected:** 10/5/2016 **Lab ID:** 0015
Outside S Entrance Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 152 **Collected:** 10/5/2016 **Lab ID:** 0016
2nd Flr Office @ E36 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 153 **Collected:** 10/5/2016 **Lab ID:** 0017
2nd Flr USDA Lab @ E43 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 154 **Collected:** 10/5/2016 **Lab ID:** 0018
2nd Flr USDA Lab @ H47 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 154 **Collected:** 10/5/2016 **Lab ID:** 0018
 2nd Flr USDA Lab @ H47 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 155 **Collected:** 10/5/2016 **Lab ID:** 0019
 2nd Flr USDA Office @ D53 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 156 **Collected:** 10/5/2016 **Lab ID:** 0020
 1st Flr Office @ D35 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Barium	ND	5.1	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Chromium	ND	0.51	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Lead	ND	0.51	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³	10/14/2016	TD	10/14/2016	TD

Client Sample Description 157 **Collected:** 10/5/2016 **Lab ID:** 0021
 1st Flr Hall @ B30 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 158 **Collected:** 10/5/2016 **Lab ID:** 0022
 1st Flr Hall @ Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

Client Sample Description 159 **Collected:** 10/6/2016 **Lab ID:** 0023
 Outside W Breezeway Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³			10/14/2016	TD

Client Sample Description 160 **Collected:** 10/6/2016 **Lab ID:** 0024
 1st Flr W Stairway @ Breezeway Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³			10/14/2016	TD

Client Sample Description 161 **Collected:** 10/6/2016 **Lab ID:** 0025
 1st Flr Storage @ E51 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description 161 **Collected:** 10/6/2016 **Lab ID:** 0025
 1st Flr Storage @ E51 Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

Client Sample Description 162 **Collected:** 10/6/2016 **Lab ID:** 0026
 Basement @ W Center Entrance Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

Client Sample Description 163 **Collected:** 10/6/2016 **Lab ID:** 0027
 Basement @ N End W Side Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

Client Sample Description 164 **Collected:** 10/6/2016 **Lab ID:** 0028
 Basement @ S End W Side Bldg. 105

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/14/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/14/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/14/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161618645
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/10/16 9:35 AM
 Collected: 10/6/2016

Project: 15167203

Analytical Results

Client Sample Description Blank **Collected:** **Lab ID:** 0029
 Box #42692

<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>
7300 Modified	Arsenic	ND	1.0	µg/filter			10/14/2016	TD
7300 Modified	Barium	ND	5.0	µg/filter			10/14/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/filter			10/14/2016	TD
7300 Modified	Chromium	ND	0.50	µg/filter			10/14/2016	TD
7300 Modified	Lead	ND	0.50	µg/filter			10/14/2016	TD
7300 Modified	Selenium	ND	1.0	µg/filter			10/14/2016	TD
7300 Modified	Silver	ND	1.0	µg/filter			10/14/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/24/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/17/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161619103. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619103
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 203 **Collected:** 10/14/2016 **Lab ID:** 0001
 Outside E Side Bldg. 106 Guard House

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 204 **Collected:** 10/14/2016 **Lab ID:** 0002
 Hall @ Locker Rm Bldg. 106 Guard House

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 205 **Collected:** 10/14/2016 **Lab ID:** 0003
 Front Desk Bldg. 106 Guard House

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	0.59	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Definitions:

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



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146
Phone: (314) 569-9368
Fax: (314) 692-8810

10/24/2016

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/17/2016. The results are tabulated on the attached data pages for the following client designated project:

15167203

The reference number for these samples is EMSL Order #161619107. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (317) 803-2997.

Approved By:

(b) (6)

Doug Wiegand, Laboratory Manager

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 unless specifically indicated. The final results are not blank corrected unless specifically indicated. The laboratory is not responsible for final results calculated using air volumes that have been provided by non-laboratory personnel. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 10/17/16 10:25 AM
Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 175 **Collected:** 10/11/2016 **Lab ID:** 0001
2nd Flr Office @ J12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 176 **Collected:** 10/11/2016 **Lab ID:** 0002
2nd Flr Office @ N13 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.1	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.3	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.53	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.53	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.1	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.1	µg/m ³			10/19/2016	TD

Client Sample Description 177 **Collected:** 10/11/2016 **Lab ID:** 0003
2nd Flr Office @ H15 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 178 **Collected:** 10/11/2016 **Lab ID:** 0004
2nd Flr Office @ E11-E12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
CustomerID: TERR57
CustomerPO: 15167203
ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
Fax: (314) 692-8810
Received: 10/17/16 10:25 AM
Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 178 **Collected:** 10/11/2016 **Lab ID:** 0004
2nd Flr Office @ E11-E12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 179 **Collected:** 10/11/2016 **Lab ID:** 0005
2nd Flr Office @ F8 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 180 **Collected:** 10/11/2016 **Lab ID:** 0006
2nd Flr Office @ F3 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 181 **Collected:** 10/11/2016 **Lab ID:** 0007
2nd Flr Office @ Rm 289 J2 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 182 **Collected:** 10/11/2016 **Lab ID:** 0008
 Outside North Entrance Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 183 **Collected:** 10/12/2016 **Lab ID:** 0009
 1st Flr Office @ J2 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 184 **Collected:** 10/12/2016 **Lab ID:** 0010
 1st Flr Office @ L3 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 185 **Collected:** 10/12/2016 **Lab ID:** 0011
 1st Flr Office @ F2 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 185 **Collected:** 10/12/2016 **Lab ID:** 0011
 1st Flr Office @ F2 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 186 **Collected:** 10/12/2016 **Lab ID:** 0012
 1st Flr Breakrm @ F10 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 187 **Collected:** 10/12/2016 **Lab ID:** 0013
 1st Flr Office @ E12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 188 **Collected:** 10/12/2016 **Lab ID:** 0014
 1st Flr Office @ B13 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 189 **Collected:** 10/12/2016 **Lab ID:** 0015
 1st Flr Office @ D10 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 190 **Collected:** 10/12/2016 **Lab ID:** 0016
 Outside Center Eas Entrance @ A14 Bldg.
 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 191 **Collected:** 10/13/2016 **Lab ID:** 0017
 1st Flr Former Studio @ D17 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 192 **Collected:** 10/13/2016 **Lab ID:** 0018
 1st Flr Office @ K12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 192 **Collected:** 10/13/2016 **Lab ID:** 0018
 1st Flr Office @ K12 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 193 **Collected:** 10/13/2016 **Lab ID:** 0019
 1st Flr Office @ N13-N14 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	1.0	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 194 **Collected:** 10/13/2016 **Lab ID:** 0020
 1st Flr Breakrm @ H14 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 195 **Collected:** 10/13/2016 **Lab ID:** 0021
 Basement @ E14 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 195 **Collected:** 10/13/2016 **Lab ID:** 0021
 Basement @ E14 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
--------	-----------	--------	----	-------	-----------	---------	---------------	---------

Client Sample Description 196 **Collected:** 10/13/2016 **Lab ID:** 0022
 Basement @ D9 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 197 **Collected:** 10/13/2016 **Lab ID:** 0023
 Basement @ H3 Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 198 **Collected:** 10/13/2016 **Lab ID:** 0024
 Outside SE Corner @ Chillers Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: 15167203

Analytical Results

Client Sample Description 199 **Collected:** 10/14/2016 **Lab ID:** 0025
 1st Flr ICE JV Storage SE Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 200 **Collected:** 10/14/2016 **Lab ID:** 0026
 1st Flr ICE JV Office Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 201 **Collected:** 10/14/2016 **Lab ID:** 0027
 1st Flr ICE JV Office Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description 202 **Collected:** 10/14/2016 **Lab ID:** 0028
 Outside SW Corner Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Barium	ND	5.2	µg/m ³			10/19/2016	TD
7300 Modified	Cadmium	ND	0.21	µg/m ³			10/19/2016	TD
7300 Modified	Chromium	ND	0.52	µg/m ³			10/19/2016	TD

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205
 Phone/Fax: (317) 803-2997 / (317) 803-3047
<http://www.EMSL.com> indianapolislab@emsl.com

EMSL Order: 161619107
 CustomerID: TERR57
 CustomerPO: 15167203
 ProjectID:

Attn: **Rick Whitney**
Terracon Consultants, Inc.
11600 Lilburn Park Dr
Saint Louis, MO 63146

Phone: (314) 569-9368
 Fax: (314) 692-8810
 Received: 10/17/16 10:25 AM
 Collected: 10/14/2016

Project: **15167203**

Analytical Results

Client Sample Description 202 **Collected:** 10/14/2016 **Lab ID:** 0028
 Outside SW Corner Bldg. 110

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Lead	ND	0.52	µg/m ³			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/m ³			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/m ³			10/19/2016	TD

Client Sample Description Blank Box #42692 **Collected:** 10/14/2016 **Lab ID:** 0029

Method	Parameter	Result	RL	Units	Prep Date	Analyst	Analysis Date	Analyst
7300 Modified	Arsenic	ND	1.0	µg/filter			10/19/2016	TD
7300 Modified	Barium	ND	5.0	µg/filter			10/19/2016	TD
7300 Modified	Cadmium	ND	0.20	µg/filter			10/19/2016	TD
7300 Modified	Chromium	ND	0.50	µg/filter			10/19/2016	TD
7300 Modified	Lead	ND	0.50	µg/filter			10/19/2016	TD
7300 Modified	Selenium	ND	1.0	µg/filter			10/19/2016	TD
7300 Modified	Silver	ND	1.0	µg/filter			10/19/2016	TD

Definitions:

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