



CWM Environmental
101 Parkview Drive Ext.
Kittanning, Pennsylvania 16201
724-543-3011
Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
Project: 5300017 SPWA Annual Lead and Copper
Sample: 009
Collection Method: Grab

Sample Number: 19G2222-01
Collection: 07/12/2019 07:30
Received: 07/17/2019 14:00
Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	14.6	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	1.11 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

William E. Hughes, Technical Director

PA DEP - Analytes associated with this are accredited under this matrix through 03-00457 scope expiring January 30, 2020. If no Cert appears next to the analyte no accreditation should be assumed for this matrix. Subcontracted analytes ran under associated laboratory scope of accreditation.



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 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 014
 Collection Method: Grab

Sample Number: 19G2222-02
 Collection: 07/12/2019 07:15
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 011
 Collection Method: Grab

Sample Number: 19G2222-03
 Collection: 07/12/2019 07:20
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 003
 Collection Method: Grab

Sample Number: 19G2222-04
 Collection: 07/12/2019 07:20
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	11.1	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 013
 Collection Method: Grab

Sample Number: 19G2222-05
 Collection: 07/12/2019 07:40
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	33.0	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	10.4 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 029
 Collection Method: Grab

Sample Number: 19G2222-06
 Collection: 07/12/2019 08:00
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 007
 Collection Method: Grab

Sample Number: 19G2222-07
 Collection: 07/12/2019 06:00
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	10.3	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 001
 Collection Method: Grab

Sample Number: 19G2222-08
 Collection: 07/11/2019 08:00
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 024
 Collection Method: Grab

Sample Number: 19G2222-09
 Collection: 07/11/2019 08:00
 Received: 07/17/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	48.6	10.0	µg/ L	07/18/2019 12:19	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/18/2019 12:19	MTW	EPA 200.8

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Lab Analysis Report

Sample Comments

- C1 This sample does PASS the Pennsylvania Department of Environmental Protection standards for safe drinking water for Lead.

A handwritten signature in black ink, appearing to read "William E. Hughes", is written over a light gray rectangular background.

William E. Hughes, Technical Director

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Reported: 7/18/2019 3:51:40PM

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 022
 Collection Method: Grab

Sample Number: 19G2618-01
 Collection: 07/19/2019 07:00
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	10.3	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 ^{C1}	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 023
 Collection Method: Grab

Sample Number: 19G2618-02
 Collection: 07/24/2019 06:00
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	10.5	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 030
 Collection Method: Grab

Sample Number: 19G2618-03
 Collection: 07/24/2019 06:15
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	13.9	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 035
 Collection Method: Grab

Sample Number: 19G2618-04
 Collection: 07/24/2019 06:00
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 039
 Collection Method: Grab

Sample Number: 19G2618-05
 Collection: 07/24/2019 08:50
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	14.0	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 036
 Collection Method: Grab

Sample Number: 19G2618-06
 Collection: 07/24/2019 06:00
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 034
 Collection Method: Grab

Sample Number: 19G2618-07
 Collection: 07/24/2019 05:30
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 037
 Collection Method: Grab

Sample Number: 19G2618-08
 Collection: 07/24/2019 06:00
 Received: 07/24/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	07/26/2019 15:30	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	07/26/2019 15:30	MTW	EPA 200.8

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Lab Analysis Report

Sample Comments

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for Lead.

A handwritten signature in black ink, appearing to read 'w.e. hughes', is written over a rectangular area.

William E. Hughes, Technical Director

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Reported: 7/29/2019 5:36:25PM

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CWM Environmental
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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 048
 Collection Method: Grab

Sample Number: 19G2878-01
 Collection: 07/25/2019 07:00
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	12.1	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	1.35 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 049
 Collection Method: Grab

Sample Number: 19G2878-02
 Collection: 07/25/2019 07:15
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 051
 Collection Method: Grab

Sample Number: 19G2878-03
 Collection: 07/25/2019 06:30
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	17.4	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 052
 Collection Method: Grab

Sample Number: 19G2878-04
 Collection: 07/25/2019 07:52
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	21.4	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 055
 Collection Method: Grab

Sample Number: 19G2878-05
 Collection: 07/25/2019 06:22
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	12.3	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 056
 Collection Method: Grab

Sample Number: 19G2878-06
 Collection: 07/25/2019 05:45
 Received: 07/31/2019 14:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	<10.0	10.0	µg/ L	08/01/2019 15:04	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	08/01/2019 15:04	MTW	EPA 200.8

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Lab Analysis Report

Sample Comments

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for Lead.

A handwritten signature in black ink, appearing to read 'W. E. Hughes', is written over a light gray rectangular background.

William E. Hughes, Technical Director

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Reported: 8/3/2019 10:40:02AM

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 Kittanning, Pennsylvania 16201
 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 032
 Collection Method: Grab

Sample Number: 19J1364-01
 Collection: 09/27/2019 07:30
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	43.8	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 060
 Collection Method: Grab

Sample Number: 19J1364-02
 Collection: 09/27/2019 08:00
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	40.8	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

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Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 057
 Collection Method: Grab

Sample Number: 19J1364-03
 Collection: 09/26/2019 08:10
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	40.8	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

William E. Hughes, Technical Director

PA DEP - Analytes associated with this are accredited under this matrix through 03-00457 scope expiring January 30, 2020. If no Cert appears next to the analyte no accreditation should be assumed for this matrix. Subcontracted analytes ran under associated laboratory scope of accreditation.



CWM Environmental
 101 Parkview Drive Ext.
 Kittanning, Pennsylvania 16201
 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 005
 Collection Method: Grab

Sample Number: 19J1364-04
 Collection: 09/26/2019 08:00
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	42.7	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

William E. Hughes, Technical Director

PA DEP - Analytes associated with this are accredited under this matrix through 03-00457 scope expiring January 30, 2020. If no Cert appears next to the analyte no accreditation should be assumed for this matrix. Subcontracted analytes ran under associated laboratory scope of accreditation.

Reported: 10/7/2019 10:14:42AM

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CWM Environmental
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Kittanning, Pennsylvania 16201
724-543-3011
Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
Project: 5300017 SPWA Annual Lead and Copper
Sample: 015
Collection Method: Grab

Sample Number: 19J1364-05
Collection: 09/26/2019 06:30
Received: 10/04/2019 15:00
Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	54.1	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

William E. Hughes, Technical Director

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CWM Environmental
 101 Parkview Drive Ext.
 Kittanning, Pennsylvania 16201
 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 046
 Collection Method: Grab

Sample Number: 19J1364-06
 Collection: 09/26/2019 07:45
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	42.8	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

William E. Hughes, Technical Director

PA DEP - Analytes associated with this are accredited under this matrix through 03-00457 scope expiring January 30, 2020. If no Cert appears next to the analyte no accreditation should be assumed for this matrix. Subcontracted analytes ran under associated laboratory scope of accreditation.



CWM Environmental
 101 Parkview Drive Ext.
 Kittanning, Pennsylvania 16201
 724-543-3011
 Lab # 03-457

Lab Analysis Report

Customer: Southwestern Pennsylvania Water Authority
 Project: 5300017 SPWA Annual Lead and Copper
Sample: 041
 Collection Method: Grab

Sample Number: 19J1364-07
 Collection: 09/26/2019 05:00
 Received: 10/04/2019 15:00
 Matrix: DW

Cert	Analyte	Result	Reporting Limit	Units	Analysis Date	Analyst	Method
Metals							
PA-DEP	Copper	43.9	10.0	µg/ L	10/05/2019 11:46	MTW	EPA 200.8
PA-DEP	Lead	<1.00 C1	1.00	µg/ L	10/05/2019 11:46	MTW	EPA 200.8

William E. Hughes, Technical Director

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CWM Environmental
101 Parkview Drive Ext.
Kittanning, Pennsylvania 16201
724-543-3011
Lab # 03-457

Lab Analysis Report

Sample Comments

C1 This sample does PASS the Pennsylvania DEP standards for safe drinking water for LEAD.

A handwritten signature in black ink, appearing to read "W. E. Hughes", is written over a light gray rectangular background.

William E. Hughes, Technical Director

PA DEP - Analytes associated with this are accredited under this matrix through 03-00457 scope expiring January 30, 2020. If no Cert appears next to the analyte no accreditation should be assumed for this matrix. Subcontracted analytes ran under associated laboratory scope of accreditation.

Reported: 10/7/2019 10:14:42AM

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