

### Analytical Report

Serialized: 05/05/2017 07:20pm QC21

TIM MCKEEVER HARMONY TOWNSHIP BOARD OF EDUCATION 2551 BELVIDERE ROAD

PHILLIPSBURG,NJ 08865

Regarding:

HARMONY TOWNSHIP BOARD OF EDUCATION 2551 BELVIDERE ROAD PHILLIPSBURG, NJ 08865

**PROJECT ID:** 

M00461 LEAD

**LABORATORY REPORT NUMBER:** 

L6770218

Authorized by: Raphael C. Fratti, Laboratory Director

# Analytical Report Printed 05/05/17 19:20 QC21

HARMONY TOWNSHIP BOARD OF EDUCATION M00461 LEAD

P.O. No:

Inv. No: 1867399 PI PWSID:

TIM MCKEEVER HARMONY TOWNSHIP BOARD OF EDUCATION 2551 BELVIDERE ROAD PHILLIPSBURG, NJ 08865

Regarding: TIM MCKEEVER HARMONY TOWNSHIP BOARD OF EDUCATION 2551 BELVIDERE ROAD PHILLIPSBURG, NJ 08865

#### **SAMPLE SUMMARY**

Lab ID	Collected	Received	Matrix	Client ID
L6770218-1	04/20/17 09:50	04/20/17 12:56	WATER	ELEMENTARY SCHOOL, K3BFL
L6770218-2	04/20/17 09:50	04/20/17 12:56	WATER	K3BFR
L6770218-3	04/20/17 09:51	04/20/17 12:56	WATER	KDWF
L6770218-4	04/20/17 09:57	04/20/17 12:56	WATER	UR3GWFC
L6770218-5	04/20/17 09:57	04/20/17 12:56	WATER	UR3BWFC
L6770218-6	04/20/17 10:01	04/20/17 12:56	WATER	RM15SF
L6770218-7	04/20/17 10:04	04/20/17 12:56	WATER	RM16WF
L6770218-8	04/20/17 10:06	04/20/17 12:56	WATER	RM18WF
L6770218-9	04/20/17 10:07	04/20/17 12:56	WATER	RM100SF
L6770218-10	04/20/17 10:09	04/20/17 12:56	WATER	NURSESF
L6770218-11	04/20/17 10:06	04/20/17 12:56	WATER	UR7WFC
L6770218-12	04/20/17 10:12	04/20/17 12:56	WATER	UR9MWFC
L6770218-13	04/20/17 10:12	04/20/17 12:56	WATER	UR9WWFC
L6770218-14	04/20/17 10:16	04/20/17 12:56	WATER	27AWF
L6770218-15	04/20/17 10:20	04/20/17 12:56	WATER	BLANK
L6770218-16	04/20/17 10:20	04/20/17 12:56	WATER	RM13SF

# Analytical Report Printed 05/05/17 19:20

Sample Comments | Result Qualifiers:

Sample Description: ELEMENTARY SCHOOL, K3BFL

Samp. Date/Time/Temp: 04/20/17 09:50am NA C Sample Number: L6770218-1 Matrix: WATER Sampled by: Ann Smith, Eurofins Lancaster

**Received Temp:** N/A

#### --SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE) LEAD** 

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: K3BFR Sample Number: L6770218-2 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 09:50am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **KDWF** L6770218-3 Sample Number: Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 09:51am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **UR3GWFC** Sample Number: L6770218-4 WATER Matrix: Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 09:57am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **UR3BWFC** Sample Number: L6770218-5 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 09:57am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: RM15SF Sample Number: L6770218-6 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:01am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: RM16WF Sample Number: L6770218-7 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:04am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: RM18WF Sample Number: L6770218-8 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:06am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: RM100SF Sample Number: L6770218-9 Matrix: WATER **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:07am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: NURSESF Sample Number: L6770218-10 WATER Matrix: **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:09am NA C Sampled by: Ann Smith, Eurofins Lancaster

#### Sample Comments | Result Qualifiers:

#### --SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **UR7WFC** Sample Number: L6770218-11 WATER Matrix: Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 10:06am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **UR9MWFC** Sample Number: L6770218-12 WATER Matrix: Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 10:12am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **UR9WWFC** Sample Number: L6770218-13 Matrix: WATER Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 10:12am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: 27AWF Sample Number: L6770218-14 Matrix: WATER Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 10:16am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: **BLANK** Sample Number: L6770218-15 WATER Matrix: **Received Temp:** N/A

Samp. Date/Time/Temp: 04/20/17 10:20am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** LEAD

<sup>\*=</sup>This limit was used in the evaluation of the final result.

# Analytical Report Printed 05/05/17 19:20

Sample Description: RM13SF Sample Number: L6770218-16 WATER Matrix: Received Temp: N/A

Samp. Date/Time/Temp: 04/20/17 10:20am NA C Sampled by: Ann Smith, Eurofins Lancaster

Sample Comments | Result Qualifiers:

--SUBCONTRACTED RESULT REFERENCES--

See attached reports for the following Subcontract Laboratories:

**Eurofins - Lancaster Laboratories, Environmental (ELLE)** 



<sup>\*=</sup>This limit was used in the evaluation of the final result.

🗱 eurofins		CHAIN OF CUSTODY Page 1 of 2							Lab Lli	MS No. 6770218.	MATRIX CODES					
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### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

#### ANALYTICAL RESULTS

Prepared by:

Prepared for:

Eurofins Lancaster Laboratories Environmental 2425 New Holland Pike Lancaster, PA 17601 Eurofins QC Laboratories 1205 Industrial Blvd. P.O. Box 514 Southampton, PA 18966-0514

Report Date: May 03, 2017

**Project: L6770218** 

Submittal Date: 04/20/2017 Group Number: 1792158 PO Number: L6770218 State of Sample Origin: NJ

	Lancaster Labs
Client Sample Description	<u>(LL) #</u>
L6770218-1 Grab Potable Water	8952677
L6770218-2 Grab Potable Water	8952678
L6770218-3 Grab Potable Water	8952679
L6770218-4 Grab Potable Water	8952680
L6770218-5 Grab Potable Water	8952681
L6770218-6 Grab Potable Water	8952682
L6770218-7 Grab Potable Water	8952683
L6770218-8 Grab Potable Water	8952684
L6770218-9 Grab Potable Water	8952685
L6770218-10 Grab Potable Water	8952686
L6770218-11 Grab Potable Water	8952687
L6770218-12 Grab Potable Water	8952688
L6770218-13 Grab Potable Water	8952689
L6770218-14 Grab Potable Water	8952690
L6770218-15 Grab Potable Water	8952691
L6770218-16 Grab Potable Water	8952692

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <a href="http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/">http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/</a>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Eurofins QC Laboratories Attn: Nicki Smith



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,

Wendy A. Kozma

Principal Specialist Group Leader

Project Name: L6770218 LL Group #: 1792158

#### General Comments:

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

#### **Analysis Specific Comments:**

No additional comments are necessary.



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-1 Grab Potable Water

ELEMENTARY SCHOOL, K3BFL

LL Sample # NR 8952677 LL Group # 1792158 Account # 24231

Project Name: L6770218

Submitted: 04/20/2017 18:00

Collected: 04/20/2017 09:50 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Reported: 05/03/2017 10:03 Southampton, PA 18966-0514

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	ŀ	EPA 2	200.8	rev 5.4	ug/l	ug/l	ug/l	
06035	Lead			7439-92-1	7.19	0.0744	1.01	1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171160605109A	05/01/2017 08:36	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171160605109	04/28/2017 20:15	JoElla L Rice	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-2 Grab Potable Water

LL Sample # NR 8952678 LL Group # 1792158 Account # 24231

Project Name: L6770218

Submitted: 04/20/2017 18:00

Collected: 04/20/2017 09:50 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Southampton, PA 18966-0514

Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 4.1 0.054 1.0 1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:29	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-3 Grab Potable Water

LL Sample # NR 8952679 LL Group # 1792158 Account # 24231

Dilution

Factor

Project Name: L6770218

Submitted: 04/20/2017 18:00

Collected: 04/20/2017 09:51 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Analysis Name CAS Number Detection Limit\* Quantitation No. Result

EPA 200.8 rev 5.4 ug/l ug/l ug/l Metals

06035 Lead 7439-92-1 46.4 0.054 1.0 1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:36	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-4 Grab Potable Water

**UR3GWFC** 

LL Sample # NR 8952680 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 09:57 by AS

1205 Industrial Blvd.

Eurofins QC Laboratories

P.O. Box 514

Submitted: 04/20/2017 18:00 Reported: 05/03/2017 10:03

Southampton, PA 18966-0514

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 N.D. 0.054 1.0 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:37	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-5 Grab Potable Water

LL Sample # NR 8952681 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 09:57 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 N.D. 0.054 1.0 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:41	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-6 Grab Potable Water

RM15SF

LL Sample # NR 8952682 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:01 by AS

1205 Industrial Blvd.

Eurofins QC Laboratories

P.O. Box 514

Submitted: 04/20/2017 18:00 Reported: 05/03/2017 10:03

Southampton, PA 18966-0514

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metal	S	EPA 200.8	rev 5.4	ug/l	ug/l	ug/l	
06035	Lead		7439-92-1	3.3	0.054	1.0	1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:42	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-7 Grab Potable Water

LL Sample # NR 8952683 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:04 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 1.8 0.054 1.0 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:43	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-8 Grab Potable Water

RM18WF

LL Sample # NR 8952684 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:06 by AS

Eurofins QC Laboratories 1205 Industrial Blvd.

Submitted: 04/20/2017 18:00 P.O. Box 514

Reported: 05/03/2017 10:03 Southampton, PA 18966-0514

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 1.3 0.054 1.0 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:44	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-9 Grab Potable Water

RM100SF

LL Sample # NR 8952685 LL Group # 1792158 Account # 24231

Project Name: L6770218

Submitted: 04/20/2017 18:00

Collected: 04/20/2017 10:07 by AS

Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Reported: 05/03/2017 10:03 Southampton, PA 18966-0514

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 18.7 0.054 1.0 1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:46	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-10 Grab Potable Water

NURSESF

LL Sample # NR 8952686 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:09 by AS

Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00 Reported: 05/03/2017 10:03

Southampton, PA 18966-0514

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metal	s	EPA 200.8	rev 5.4	ug/l	ug/l	ug/l	
06035	Lead		7439-92-1	4.1	0.054	1.0	1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171170605101A	04/28/2017 06:47	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171170605101	04/28/2017 04:55	Denise L Trimby	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-11 Grab Potable Water

LL Sample # NR 8952687 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:06 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/1 ug/l ug/l Metals 06035 Lead 7439-92-1 2.17 0.0542 1.01 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 11:02	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 06:20	Annamaria Kuhns	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-12 Grab Potable Water

UR9MWFC

LL Sample # NR 8952688 LL Group # 1792158 Account # 24231

1

Project Name: L6770218

Collected: 04/20/2017 10:12 by AS

Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00 Reported: 05/03/2017 10:03

Southampton, PA 18966-0514

CAT No. Analysis Name CAS Number Result As Received As Received Method Limit of Detection Limit Quantitation Factor

 Metals
 EPA 200.8 rev 5.4
 ug/l
 ug/l
 ug/l

 06035 Lead
 7439-92-1
 0.0627 J
 0.0542
 1.01

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 11:08	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 06:20	Annamaria Kuhns	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-13 Grab Potable Water

LL Sample # NR 8952689 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:12 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/l ug/l Metals 06035 Lead 7439-92-1 0.0694 J 0.0542 1.01 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 11:09	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 06:20	Annamaria Kuhns	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-14 Grab Potable Water

LL Sample # NR 8952690 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:16 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Submitted: 04/20/2017 18:00

Southampton, PA 18966-0514 Reported: 05/03/2017 10:03

As Received As Received Method Limit of CAT As Received Dilution Analysis Name CAS Number Detection Limit\* Quantitation No. Result Factor EPA 200.8 rev 5.4 ug/l ug/l ug/l Metals 06035 Lead 7439-92-1 0.632 J 0.0542 1.01 1

Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 11:10	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 06:20	Annamaria Kuhns	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-15 Grab Potable Water

LL Sample # NR 8952691 LL Group # 1792158 Blank BLANK Account # 24231

Project Name: L6770218

Submitted: 04/20/2017 18:00

Reported: 05/03/2017 10:03

Collected: 04/20/2017 10:20 by AS Eurofins QC Laboratories

1205 Industrial Blvd.

P.O. Box 514

Southampton, PA 18966-0514

CAT No.	Analysis Name			CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals 06035	Lead	EPA	200.8	rev 5.4 7439-92-1	ug/l N.D.	<b>ug/l</b> 0.0542	<b>ug/l</b> 1.01	1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis		Analyst	Dilution
No.					Date and Time	€		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 1	1:14	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 0	6:20	Annamaria Kuhns	1



### **Analysis Report**

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: L6770218-16 Grab Potable Water

RM13SE

LL Sample # NR 8952692 LL Group # 1792158 Account # 24231

Project Name: L6770218

Collected: 04/20/2017 10:20 by AS

1205 Industrial Blvd.

Eurofins QC Laboratories

P.O. Box 514

Submitted: 04/20/2017 18:00 Reported: 05/03/2017 10:03

Southampton, PA 18966-0514

CAT No.	Analysis Name		CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	1	EPA 200.8	rev 5.4	ug/l	ug/l	ug/l	
06035	Lead		7439-92-1	7.45	0.0542	1.01	1

#### Sample Comments

State of New Jersey Lab Certification No. PA011

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

CAT	Analysis Name	Method	Trial#	Batch#	Analysis	Analyst	Dilution
No.					Date and Time		Factor
06035	Lead	EPA 200.8 rev 5.4	1	171180605102A	05/01/2017 11:15	Scott P Cuff	1
06051	ICP-MS Undigested Prep	EPA 200.8 rev 5.4	1	171180605102	05/01/2017 06:20	Annamaria Kuhns	1



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

### Quality Control Summary

Client Name: Eurofins QC Laboratories Group Number: 1792158

Reported: 05/03/2017 10:03

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

#### Method Blank

Analysis Name	Result	MDL**	LOQ	
	ug/l	ug/l	ug/l	
Batch number: 171160605109A Lead	Sample numbe N.D.	r(s): 8952 0.0744		
Batch number: 171170605101A Lead	Sample numbe N.D.	r(s): 8952 0.054		686
Batch number: 171180605102A Lead	Sample numbe	r(s): 8952 0.0542		692

### LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 171160605109A Lead	Sample number 15	16.14	677		108		85-115		
Batch number: 171170605101A Lead	Sample number 15	13.73	678-8952686		92		85-115		
Batch number: 171180605102A Lead	Sample number 15	(s): 8952 15.61	687-8952692		104		85-115		

#### MS/MSD

 ${\tt Unspiked \ (UNSPK) \ = \ the \ sample \ used \ in \ conjunction \ with \ the \ matrix \ spike}$ 

Analysis Name		Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: Lead	171160605109A	Sample numb 0.129	er(s): 8952 15.3	677 UNSE 14.94	PK: P950016		97		70-130		
Batch number: Lead	171170605101A	Sample numb	er(s): 8952 15.3	678-8952 17.21	686 UNSPK: 8	952678	86		70-130		

<sup>\*-</sup> Outside of specification

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

<sup>\*\*-</sup>This limit was used in the evaluation of the final result for the blank

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The unspiked result was more than four times the spike added.



### Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

### Quality Control Summary

Client Name: Eurofins QC Laboratories Group Number: 1792158

Reported: 05/03/2017 10:03

#### MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name		Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number:	171180605102A	Sample numb	er(s): 8952	687-8952	2692 UNSPK: 8	952687					
Lead		2.17	15.3	17.81			102		70-130		

#### Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc	DUP Conc	DUP RPD	DUP RPD Max
	ug/l	ug/l		
Batch number: 171160605109A Lead	Sample number(s): 0.129	8952677 BKG: P950016 0.114	12 (1)	20
Batch number: 171170605101A Lead	Sample number(s): 4.06	8952678-8952686 BKG: 4.01	8952678 1 (1)	20
Batch number: 171180605102A Lead	Sample number(s): 2.17	8952687-8952692 BKG: 2.17	8952687 0 (1)	20

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

<sup>\*-</sup> Outside of specification

<sup>\*\*-</sup>This limit was used in the evaluation of the final result for the blank

<sup>(1)</sup> The result for one or both determinations was less than five times the LOQ.

<sup>(2)</sup> The unspiked result was more than four times the spike added.

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Horsham, PA 19044-0962 Fax: :	215-355-7231	Sampling Sit	e Address (	if differ	rent) Include S	State					·····			O CONTRACTOR	Na₂S₂O₃	WW: WASTEWATER
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2551 Balvidere	Rd												#		HžSO4 pH	OIL: OIL
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NURSESF			(009									$\dashv$		1		
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Environmental

Client:

EQCL

# Receipt Documentation Log Sample Administration

Doc Log ID:

181402

Group Number(s):

8-516421

Delivery and Receipt Information

EQCL Drop Off Arrival Timestamp: 04/20/2017 18:00

[45

Delivery Method:

Number of Packages: |--Number of Projects:

**Arrival Condition Summary** 

		<u>N</u>	Discrepancy in Container Qty on COC:
		N <sub>o</sub>	Extra Samples:
		N o	Missing Samples:
		Yes	Samples Intact:
No	Air Quality Samples Present:	Yes	Paperwork Enclosed:
	Total Trip Blank Qty: 0	N <sub>o</sub>	Samples Chilled:
N/A	VOA Vial Headspace ≥ 6mm:	Yes	Custody Seal Intact:
Yes	Sample Date/Times match COC:	Yes	Custody Seal Present:
Yes	Sample IDs on COC match Containers:	Yes	Shipping Container Sealed:

Unpacked by Simon Nies (25112) at 19:12 on 04/20/2017

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### **Explanation of Symbols and Abbreviations**

The following defines common symbols and abbreviations used in reporting technical data:

**BMQL** Below Minimum Quantitation Level mq milligram(s) degrees Celsius mĹ milliliter(s) cfu colony forming units MPN Most Probable Number **CP Units** cobalt-chloroplatinate units N.D. none detected F degrees Fahrenheit ng nanogram(s) nephelometric turbidity units gram(s) NTU g IÚ International Units pg/L picogram/liter kilogram(s) RL Reporting Limit kg **TNTC** liter(s) Too Numerous To Count lb. pound(s) microgram(s) μg μĹ microliter(s) m3 cubic meter(s) milliequivalents umhos/cm micromhos/cm meg

< less than

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an

as-received basis.

#### Laboratory Data Qualifiers:

C - Result confirmed by reanalysis

E - Concentration exceeds the calibration range

J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)

P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.

U - Analyte was not detected at the value indicated

V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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### **Additional Data Qualifiers**

Qualifier	Definition
В	Detection in the Blank
Q0	LCS/LCSD Low
Q1	LCS/LCSD High
Q4	MS/MSD Out of Range
Q7	LCS/LCSD RPD
Q8	DUP RPD
Q9	MS/MSD RPD