



City of Tempe
6600 S Price Rd
Tempe, AZ 85283
TEL: 4803502855 FAX: 4803502677
Website: www.tempe.gov

May 12, 2017

Justin Bern
City of Tempe Lead & Copper
P.O. Box 5002
Tempe, AZ 85280
TEL: (480) 350-2860
FAX (480) 350-2677

RE: ADEQ School Lead Initiative

Order No.: 1705093

Dear Justin Bern:

City of Tempe received 2 sample(s) on 05/08/2017 for the analyses presented in the following report.

Justin Bern
Quality Officer
6600 S Price Rd
Tempe, AZ 85283

Lab license #AZ0055



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Case Narrative

WO#: 1705093
Date: 05/12/2017

CLIENT: City of Tempe Lead & Copper
Project: ADEQ School Lead Initiative

This report in its entirety consists of the documents listed below. All documents contain the City of Tempe Work Order Number assigned to this report.

1. Paginated Report including: Case Narrative, Analytical Results and Applicable Quality Control Summary Reports.
2. A Cover Letter that immediately precedes the Paginated Report.
3. Copies of the Chain of Custody Documents supplied with this sample set.

Any comments or problems with the analytical events associated with this report are noted below.

Times on COC and Bottles did not match at time of receipt. Laboratory confirmed with client that the time written on the bottles was correct and COC's were corrected accordingly.



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Analytical Report

(base report)

WO#: **1705093**

Date Reported: **05/12/2017**

CLIENT: City of Tempe Lead & Copper

Tag Number:

Matrix: DRINKING WATER

Collection Date: 05/08/2017 5:20:00 AM

Lab ID: 1705093-001A

Project: ADEQ School Lead Initiative

Client Sample ID Fuller_1001_30-01-38A

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|------------------|--------|-----|------|-------|--------|------------------------|
| METALS BY ICP/MS | | | | | E200.8 | E200.8 Analyst: MK |
| Lead | 1.9 | 1.0 | | µg/L | 1 | 05/10/2017 12:44:13 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | H | Holding times for preparation or analysis exceeded | M | Manual Integration used to determine area response |
| | ND | Not Detected at the Reporting Limit | PL | Permit Limit |
| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |



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Analytical Report

(base report)

WO#: **1705093**

Date Reported: **05/12/2017**

CLIENT: City of Tempe Lead & Copper

Tag Number:

Matrix: DRINKING WATER

Collection Date: 05/08/2017 5:20:00 AM

Lab ID: 1705093-002A

Project: ADEQ School Lead Initiative

Client Sample ID Fuller_1001_30-01-201

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed |
|-------------------------|--------|-----|------|-------|---------------|----------------------------------|
| METALS BY ICP/MS | | | | | E200.8 | E200.8 Analyst: MK |
| Lead | ND | 1.0 | | µg/L | 1 | 05/10/2017 12:47:54 PM |

| | | | | |
|--------------------|----|--|----|---|
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| | RL | Reporting Detection Limit | W | Sample container temperature is out of limit as specified at testcode |



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QC SUMMARY REPORT

WO#: 1705093

12-May-17

Client: City of Tempe Lead & Copper
Project: ADEQ School Lead Initiative

BatchID: 979

| | | | | | | | | | | | | | |
|------------|--------|-----------|------|-----------|-----------|-------------|------|----------------|------------|-------------|--------|----------|------|
| Sample ID | MB-979 | SampType: | MBLK | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | |
| Client ID: | PBW | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144347 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | | | | |
|------|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|
| Lead | ND | 1.0 | | | | | | | | | | | | |
|------|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | | |
|------------|---------|-----------|-----|-----------|-----------|-------------|------|----------------|------------|-----------|-------------|------|----------|------|
| Sample ID | LCS-979 | SampType: | LCS | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | | |
| Client ID: | LCSW | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144350 | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | | | | |
|------|-----|-----|-------|---|-----|----|-----|--|--|--|--|--|--|--|
| Lead | 100 | 1.0 | 100.0 | 0 | 103 | 85 | 115 | | | | | | | |
|------|-----|-----|-------|---|-----|----|-----|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | | |
|------------|----------------|-----------|-----|-----------|-----------|-------------|------|----------------|------------|-----------|-------------|------|----------|------|
| Sample ID | 1704260-001EMS | SampType: | MS | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | | |
| Client ID: | ZZZZZZ | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144355 | | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | | | | |
|------|-----|-----|-------|---|-----|----|-----|--|--|--|--|--|--|--|
| Lead | 110 | 1.0 | 100.0 | 0 | 106 | 70 | 130 | | | | | | | |
|------|-----|-----|-------|---|-----|----|-----|--|--|--|--|--|--|--|

| | | | | | | | | | | | | | |
|------------|-----------------|-----------|-----|-----------|-----------|-------------|------|----------------|------------|-------------|--------|----------|------|
| Sample ID | 1704260-001EMSD | SampType: | MSD | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | |
| Client ID: | ZZZZZZ | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144356 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |

| | | | | | | | | | | | | | | |
|------|-----|-----|-------|---|-----|----|-----|-------|---|----|--|--|--|--|
| Lead | 110 | 1.0 | 100.0 | 0 | 106 | 70 | 130 | 106.0 | 0 | 20 | | | | |
|------|-----|-----|-------|---|-----|----|-----|-------|---|----|--|--|--|--|

Qualifiers:

H Holding times for preparation or analysis exceeded
RL Reporting Detection Limit

M Manual Integration used to determine area response
W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit



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QC SUMMARY REPORT

WO#: 1705093

12-May-17

Client: City of Tempe Lead & Copper

Project: ADEQ School Lead Initiative

BatchID: 979

| | | | | | | | | | | | | | |
|------------|----------------|-----------|-----|-----------|-----------|-------------|------|----------------|------------|-------------|--------|----------|------|
| Sample ID | 1705059-001DMS | SampType: | MS | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | |
| Client ID: | ZZZZZZ | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144362 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | | 100 | | 1.0 | 100.0 | 0 | 105 | 70 | 130 | | | | |

| | | | | | | | | | | | | | |
|------------|-----------------|-----------|-----|-----------|-----------|-------------|------|----------------|------------|-------------|--------|----------|------|
| Sample ID | 1705059-001DMSD | SampType: | MSD | TestCode: | 200.8 | Units: | µg/L | Prep Date: | 05/09/2017 | RunNo: | 12367 | | |
| Client ID: | ZZZZZZ | Batch ID: | 979 | TestNo: | E200.8 | E200.8 | | Analysis Date: | 05/10/2017 | SeqNo: | 144363 | | |
| Analyte | | Result | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Lead | | 100 | | 1.0 | 100.0 | 0 | 105 | 70 | 130 | 104.8 | 0.191 | 20 | |

Qualifiers:

H Holding times for preparation or analysis exceeded
RL Reporting Detection Limit

M Manual Integration used to determine area response
W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit