



July 10, 2019

Dear McClymonds Students, Families, and Staff,

Thank you for your continued support as OUSD continues to remediate water quality issues throughout our District. Since our last communication, additional testing and repairs have been completed at McClymonds High School to ensure that all water sources fall below District and federal guidelines.

We are happy to report that all thirty locations tested below the EPA action level of 15 parts per billion with the exception of two locations. In accordance with OUSD Board Policy 3511.3, additional steps were taken to repair locations that showed lead concentrations of above 5 parts per billion. Additionally, steps have been taken to remove the Drinking Fountain in the Courtyard (locations 20, 30, and 32 on the list below) from service. This Drinking Fountain will remain out of service until lead levels are remediated to below 5 parts per billion.

Please see the table below for a more detailed overview of test results from June 2018 through April 2019 (you will also find detailed test reports attached to this letter):

Location	Name	Date of Testing	Lead Concentration
1	Room 307	6/12/2018	2.5 parts per billion
2	Room 303	7/12/2018	1.9 parts per billion
3	Faucet - AIA Kitchen	1/15/2019	0.21 parts per billion
4	Drinking Fountain 2 - AIA Family Center	1/15/2019	1.7 parts per billion
5	Drinking Fountain 1 - Clinic	1/15/2019	0.21 parts per billion
6	Drinking Fountain - Boys Locker Room	1/15/2019	1.3 parts per billion
7	Flowater Station - Boys Gym Entrance	1/15/2019	Non-Detect
8	Drinking Fountain 1 - Girls Entrance	1/15/2019	0.73 parts per billion
9	Drinking Fountain - Girls Locker Room	1/15/2019	2.4 parts per billion
10	Drinking Fountain - adjacent to 1st floor Elevator	1/15/2019	0.26 parts per billion
11	Drinking Fountain - adjacent to 1st floor Elevator	1/15/2019	0.25 parts per billion
12	Hydration Station - adjacent to 1 Room 105	1/15/2019	0.054 parts per billion



13	Drinking Fountain - adjacent to 3rd floor Elevator	1/15/2019	0.87 parts per billion
14	Faucet - Room 108 Sink*	1/15/2019	32 parts per billion
15	Drinking Fountain - Hallway adjacent room 306	1/15/2019	1.1 parts per billion
16	Drinking Fountain - Hallway adjacent room 212	1/15/2019	1.9 parts per billion
17	Drinking Fountain - Hallway adjacent room 114	1/15/2019	0.28 parts per billion
18	Faucet Room 128 Sink	1/15/2019	4.2 parts per billion
19	Drinking Fountain - Hallway, adjacent cafeteria	1/15/2019	5 parts per billion
20	Drinking Fountain 1 - Courtyard*	1/15/2019	8.4 parts per billion
21	Drinking Fountain 1 - Pool	1/15/2019	0.74 parts per billion
22	Drinking Fountain - Football Bleacher	1/15/2019	0.5 parts per billion
23	Drinking Fountain - Football Bleacher	1/15/2019	4.4 parts per billion
24	Faucet A - Kitchen	1/15/2019	0.12 parts per billion
25	Faucet B - Kitchen	1/15/2019	0.079 parts per billion
26	Faucet C - Kitchen	1/15/2019	0.010 parts per billion
27	Faucet D - Kitchen	1/15/2019	0.32 parts per billion
28	Faucet F - Kitchen	1/15/2019	0.36 parts per billion
29	Drinking Fountain - Hallway adjacent to room 224	1/16/2019	5 parts per billion
30	Drinking Fountain 1 - Yard Adjacent (Courtyard) (same location as #20 above)*	3/6/2019	22 parts per billion
31	Faucet - Room 108 Sink (same location as #14 above)*	3/6/2019	1.4 parts per billion
32	Drinking Fountain 1 - Yard Adjacent (Courtyard) (same location as #20 and #30 above)*	4/11/2019	9.5 parts per billion



Thank you for your continued partnership as we work to ensure all students have access to safe and healthy water sources. For more information about water quality regulations, water quality at McClymonds, and OUSD water quality guidelines, please visit:

- Environmental Protection Agency Lead and Copper Rule: <https://www.epa.gov/dwreginfo/lead-and-copper-rule>
- California Assembly Bill 746: https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/leadsamplinginschools.html
- OUSD Board Policy 3511.3 - Clean Drinking Water: <https://boepublic.ousd.org/Policies.aspx>
- McClymonds High School website: www.ousd.org/mcclymonds/waterquality

If you have questions about the attached information, please contact:

- Rebecca Littlejohn, Risk Management Officer, (510) 879-1611
- Vanessa Sifuentes, Executive Director, High School Network Office, (510) 879-3122

Respectfully,

Vanessa Sifuentes
Executive Director
High School Network



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1806555

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.:

Project: McClymond's High School- Retest Room 307

Project Received: 06/12/2018

Analytical Report reviewed & approved for release on 06/13/2018 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's High School- Retest Room 307
WorkOrder: 1806555

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Oakland Unified School District
Date Received: 6/12/18 13:30
Date Prepared: 6/13/18
Project: McClymond's High School- Retest Room 307

WorkOrder: 1806555
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
061218-R1/ Faucet- First Draw, Classroom 307	1806555-001A	Water	06/12/2018 07:18	ICP-MS2 014SMPL.D	159846

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	3.9	0.010	0.50	1	06/13/2018 14:18

Analyst(s): ND

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
061218-R2/ Faucet- Second Draw, Classroom 30	1806555-002A	Water	06/12/2018 07:19	ICP-MS2 015SMPL.D	159846

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	2.5	0.010	0.50	1	06/13/2018 14:23

Analyst(s): ND



Quality Control Report

Client: Oakland Unified School District
Date Prepared: 6/13/18
Date Analyzed: 6/13/18
Instrument: ICP-MS2
Matrix: Drinking Water
Project: McClymond's High School- Retest Room 307

WorkOrder: 1806555
BatchID: 159846
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS-159846
1806328-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	LCS Result	MDL	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Lead	ND	50.4	0.010	0.50	50	-	101	85-115

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	50.4	49.0	50	0.8612	99	96	85-115	2.66	20

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

☐ WaterTrax ☐ WriteOn ☐ EDF

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1806555

ClientCode: OUSD

☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO:
Project: McClymond's High School- Retest Room 307

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 1 day;

Date Received: 06/12/2018

Date Logged: 06/12/2018

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1806555-001	061218-R1/ Faucet- First Draw, Classroom	Water	6/12/2018 07:18	<input type="checkbox"/>	A											
1806555-002	061218-R2/ Faucet- Second Draw,	Water	6/12/2018 07:19	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's High School- Retest Room 307

Comments:

Work Order: 1806555

QC Level: LEVEL 2

Date Logged: 6/12/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1806555-001A	061218-R1/ Faucet- First Draw, Classroom 307	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	6/12/2018 7:18	1 day	None	<input type="checkbox"/>	
1806555-002A	061218-R2/ Faucet- Second Draw, Classroom 307 Midd	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	6/12/2018 7:19	1 day	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's High School- Retest Room 307**

Date and Time Received: **6/12/2018 13:30**

Date Logged: **6/12/2018**

Received by: **Lilly Ortiz**

Logged by: **Lilly Ortiz**

WorkOrder No: **1806555** Matrix: Water

Carrier: Lorenzo Perez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 4.1°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	--	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	--	--

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1807528

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.:

Project: McClymond's High School-Retest 2- Room 303

Project Received: 07/12/2018

Analytical Report reviewed & approved for release on 07/13/2018 by:

Heidi Fruhlinger
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's High School-Retest 2- Room 303
WorkOrder: 1807528

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Oakland Unified School District
Date Received: 7/12/18 14:40
Date Prepared: 7/13/18
Project: McClymond's High School-Retest 2- Room 303

WorkOrder: 1807528
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
071118-R1/ Faucet- Classroom 303, Teachers S	1807528-001A	Water	07/11/2018 07:58	ICP-MS2 014SMPL.D	161486

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	1.9	0.010	0.50	1	07/13/2018 17:21

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1807528
Date Prepared:	7/13/18	BatchID:	161486
Date Analyzed:	7/13/18	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's High School-Retest 2- Room 303	Sample ID:	MB/LCS/LCSD-161486 1807528-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	52.2	51.0	50	104	102	80-120	2.35	20

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	52.2	53.3	50	1.877	101	103	80-120	2.05	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1807528

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO:
Project: McClymond's High School-Retest 2- Room 303

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 1 day;

Date Received: 07/12/2018

Date Logged: 07/12/2018

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1807528-001	071118-R1/ Faucet- Classroom 303,	Water	7/11/2018 07:58	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Project: McClymond's High School-Retest 2- Room 303

Work Order: 1807528

Client Contact: Sorbor Twegbe

QC Level: LEVEL 2

Contact's Email: sorbor.twegbe@ousd.org

Comments:

Date Logged: 7/12/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1807528-001A	071118-R1/ Faucet- Classroom 303, Teachers S	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	7/11/2018 7:58	1 day	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's High School-Retest 2- Room 303**
WorkOrder No: **1807528** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **7/12/2018 14:40**
Date Logged: **7/12/2018**
Received by: **Lilly Ortiz**
Logged by: **Lilly Ortiz**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.2°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	--	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
--	--	--

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901665

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water-Building C

Project Received: 01/15/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building C
WorkOrder: 1901665

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building C
WorkOrder: 1901665

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymond's Drinking Water-Building C

WorkOrder: 1901665
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-16/Faucet-AIA Kitchen	1901665-001A	Water	01/15/2019 07:11	ICP-MS3 079SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.21	J	0.010	0.50	1	01/17/2019 15:43

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-17/Drinking Fountain 2-AIA Family Cente	1901665-002A	Water	01/15/2019 07:11	ICP-MS3 083SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	1.7		0.010	0.50	1	01/17/2019 16:08

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-18/Drinking Fountain 1- Clinic	1901665-003A	Water	01/15/2019 07:13	ICP-MS3 084SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.12	J	0.010	0.50	1	01/17/2019 16:14

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901665
Date Prepared:	1/17/19	BatchID:	171625
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water-Building C	Sample ID:	MB/LCS/LCSD-171625

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	47	47	50	93	93	80-120	0	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1901665

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water-Building C

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 01/15/2019

Date Logged: 01/15/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901665-001	011519-16/Faucet-AIA Kitchen	Water	1/15/2019 07:11	<input type="checkbox"/>	A											
1901665-002	011519-17/Drinking Fountain 2-AIA Family	Water	1/15/2019 07:11	<input type="checkbox"/>	A											
1901665-003	011519-18/Drinking Fountain 1- Clinic	Water	1/15/2019 07:13	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water-Building C

Comments:

Work Order: 1901665

QC Level: LEVEL 2

Date Logged: 1/15/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901665-001A	011519-16/Faucet-AIA Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:11	2 days	None	<input type="checkbox"/>	
1901665-002A	011519-17/Drinking Fountain 2-AIA Family Center	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:11	2 days	None	<input type="checkbox"/>	
1901665-003A	011519-18/Drinking Fountain 1- Clinic	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:13	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water-Building C**
WorkOrder No: **1901665** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **1/15/2019 16:15**
Date Logged: **1/15/2019**
Received by: **Kena Ponce**
Logged by: **Kena Ponce**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901666

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water -Building D; Gymnasium

Project Received: 01/15/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water -Building D; Gymnasium
WorkOrder: 1901666

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water -Building D; Gymnasium
WorkOrder: 1901666

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymond's Drinking Water -Building D;
Gymnasium

WorkOrder: 1901666
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-19/Drinking Fountain-Boys Locker Room	1901666-001A	Water	01/15/2019 07:20	ICP-MS3 085SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	1.3	0.010	0.50	1	01/17/2019 16:20

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-20/Flowater Station-Boys Gym Entrance	1901666-002A	Water	01/15/2019 07:20	ICP-MS3 086SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	ND	0.010	0.50	1	01/17/2019 16:26

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-21/Drinking Fountain 1-Girls Entrance	1901666-003A	Water	01/15/2019 07:22	ICP-MS1 062SMPL.D	171631

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	0.73	0.010	0.50	1	01/17/2019 15:22

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-22/Drinking Fountain-Girls Locker Room	1901666-004A	Water	01/15/2019 07:23	ICP-MS1 066SMPL.D	171631

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	2.4	0.010	0.50	1	01/17/2019 15:48

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901666
Date Prepared:	1/17/19	BatchID:	171625
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water -Building D; Gymnasium	Sample ID:	MB/LCS/LCSD-171625

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	47	47	50	93	93	80-120	0	20



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901666
Date Prepared:	1/17/19	BatchID:	171631
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS1	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water -Building D; Gymnasium	Sample ID:	MB/LCS/LCSD-171631 1901666-003AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	0.011,J	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	48	50	95	95	80-120	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	48	47	50	0.7306	94	93	80-120	1.43	20

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1901666

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water -Building D;
Gymnasium

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 01/15/2019

Date Logged: 01/15/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901666-001	011519-19/Drinking Fountain-Boys Locker	Water	1/15/2019 07:20	<input type="checkbox"/>	A											
1901666-002	011519-20/Flowater Station-Boys Gym	Water	1/15/2019 07:20	<input type="checkbox"/>	A											
1901666-003	011519-21/Drinking Fountain 1-Girls	Water	1/15/2019 07:22	<input type="checkbox"/>	A											
1901666-004	011519-22/Drinking Fountain-Girls Locker	Water	1/15/2019 07:23	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water -Building D; Gymnasium

Comments:

Work Order: 1901666

QC Level: LEVEL 2

Date Logged: 1/15/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901666-001A	011519-19/Drinking Fountain-Boys Locker Room	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:20	2 days	None	<input type="checkbox"/>	
1901666-002A	011519-20/Flowater Station- Boys Gym Entrance	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:20	2 days	None	<input type="checkbox"/>	
1901666-003A	011519-21/Drinking Fountain 1-Girls Entrance	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:22	2 days	None	<input type="checkbox"/>	
1901666-004A	011519-22/Drinking Fountain-Girls Locker Room	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:23	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water -Building D; Gymnasium**
WorkOrder №: **1901666** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **1/15/2019 16:15**
Date Logged: **1/15/2019**
Received by: **Kena Ponce**
Logged by: **Kena Ponce**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901663

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water-Building A,B,H

Project Received: 01/15/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building A,B,H
WorkOrder: 1901663

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building A,B,H
WorkOrder: 1901663

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymond's Drinking Water-Building A,B,H

WorkOrder: 1901663
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-1/ Driniking Fountain-adjacent to 1st	1901663-001A	Water	01/15/2019 06:43	ICP-MS2 076SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.26	J	0.010	0.50	1	01/17/2019 15:32

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-2/Drinking Fountain-adjacent to 1st Floo	1901663-002A	Water	01/15/2019 06:46	ICP-MS2 083SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.25	J	0.010	0.50	1	01/17/2019 16:15

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-3/Hydration Station-adjacent to 1 Room	1901663-003A	Water	01/15/2019 06:47	ICP-MS2 084SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.054	J	0.010	0.50	1	01/17/2019 16:21

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-4/Drinking Fountain-adjacent to 3rd Floo	1901663-004A	Water	01/15/2019 06:48	ICP-MS2 085SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.87	J	0.010	0.50	1	01/17/2019 16:27

Analyst(s): MIG

(Cont.)

CA ELAP 1644



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymond's Drinking Water-Building A,B,H

WorkOrder: 1901663
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-5/Faucet-Room 108 Sink	1901663-005A	Water	01/15/2019 06:49	ICP-MS2 086SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	32	0.010	0.50	1	01/17/2019 16:33

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-6/Drinking Fountain-Hallway,adjacent ro	1901663-006A	Water	01/15/2019 06:53	ICP-MS2 087SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	1.1	0.010	0.50	1	01/17/2019 16:40

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-7/Drinking Fountain-Hallway,adjacent Ro	1901663-007A	Water	01/15/2019 06:54	ICP-MS2 088SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	1.9	0.010	0.50	1	01/17/2019 16:46

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-8/Drinking Fountain-Hallway,adjacent R	1901663-008A	Water	01/15/2019 06:52	ICP-MS2 089SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.28	J	0.010	0.50	1	01/17/2019 16:52

Analyst(s): MIG

(Cont.)

CA ELAP 1644



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymond's Drinking Water-Building A,B,H

WorkOrder: 1901663
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-9/Faucet-Room 128 Sink	1901663-009A	Water	01/15/2019 06:57	ICP-MS3 072SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	4.2	0.010	0.50	1	01/17/2019 15:00

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-10/Drinking Fountain-Hallway, adjacent c	1901663-010A	Water	01/15/2019 07:00	ICP-MS3 073SMPL.D	171625

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	5.0	0.010	0.50	1	01/17/2019 15:06

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901663
Date Prepared:	1/17/19	BatchID:	171625
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water-Building A,B,H	Sample ID:	MB/LCS/LCSD-171625 1901663-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	47	47	50	93	93	80-120	0	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	47	47	50	ND	94	93	80-120	0.490	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1901663

ClientCode: OUSD

☐ WaterTrax☐ WriteOn☐ EDF☐ Excel☒ EQUIS☐ Email☐ HardCopy☐ ThirdParty☒ J-flag☐ Detection Summary☒ Dry-Weight**Report to:**

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water-Building
A,B,H

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;**Date Received: 01/15/2019****Date Logged: 01/15/2019**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901663-001	011519-1/ Drinking Fountain-adjacent to 1st	Water	1/15/2019 06:43	<input type="checkbox"/>	A											
1901663-002	011519-2/Drinking Fountain-adjacent to 1st	Water	1/15/2019 06:46	<input type="checkbox"/>	A											
1901663-003	011519-3/Hydration Station-adjacent to 1	Water	1/15/2019 06:47	<input type="checkbox"/>	A											
1901663-004	011519-4/Drinking Fountain-adjacent to 3rd	Water	1/15/2019 06:48	<input type="checkbox"/>	A											
1901663-005	011519-5/Faucet-Room 108 Sink	Water	1/15/2019 06:49	<input type="checkbox"/>	A											
1901663-006	011519-6/Drinking Fountain-	Water	1/15/2019 06:53	<input type="checkbox"/>	A											
1901663-007	011519-7/Drinking Fountain-	Water	1/15/2019 06:54	<input type="checkbox"/>	A											
1901663-008	011519-8/Drinking Fountain-	Water	1/15/2019 06:52	<input type="checkbox"/>	A											
1901663-009	011519-9/Faucet-Room 128 Sink	Water	1/15/2019 06:57	<input type="checkbox"/>	A											
1901663-010	011519-10/Drinking Fountain-Hallway,	Water	1/15/2019 07:00	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW
5	
9	

2	
6	
10	

3	
7	
11	

4	
8	
12	

Prepared by: Kena Ponce**Comments:**

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water-Building A,B,H

Comments:

Work Order: 1901663

QC Level: LEVEL 2


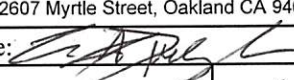
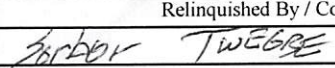
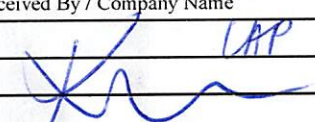
Date Logged: 1/15/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901663-001A	011519-1/ Driniking Fountain-adjacent to 1st	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:43	2 days	None	<input type="checkbox"/>	
1901663-002A	011519-2/Drinking Fountain- adjacent to 1st Floor	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:46	2 days	None	<input type="checkbox"/>	
1901663-003A	011519-3/Hydration Station- adjacent to 1 Room 105	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:47	2 days	None	<input type="checkbox"/>	
1901663-004A	011519-4/Drinking Fountain- adjacent to 3rd Floor E	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:48	2 days	None	<input type="checkbox"/>	
1901663-005A	011519-5/Faucet-Room 108 Sink	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:49	2 days	None	<input type="checkbox"/>	
1901663-006A	011519-6/Drinking Fountain- Hallway,adjacent room 3	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:53	2 days	None	<input type="checkbox"/>	
1901663-007A	011519-7/Drinking Fountain- Hallway,adjacent Room 2	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:54	2 days	None	<input type="checkbox"/>	
1901663-008A	011519-8/Drinking Fountain- Hallway,adjacent RM114	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:52	2 days	None	<input type="checkbox"/>	
1901663-009A	011519-9/Faucet-Room 128 Sink	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 6:57	2 days	None	<input type="checkbox"/>	
1901663-010A	011519-10/Drinking Fountain-Hallway, adjacent cafa	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:00	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

 McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com main@mccampbell.com						CHAIN OF CUSTODY RECORD																					
						Turn Around Time: 1 Day Rush				2 Day Rush ●		3 Day Rush		STD		Quote #											
						J-Flag / MDL ●				ESL		Cleanup Approved				Bottle Order #											
						Delivery Format: PDF				GeoTracker EDF				EDD		Write On (DW)		EQulS									
Report To: Sorbor Twigbe Bill To: Sorbor Twigbe Company: Oakland Unified School District Email: sorbor.twigbe@ousd.org Alt Email: _____ Tele: 415-632-0350 Project Name: McClymond's Drinking Water-Building A, B, & H Project #: _____ Project Location: 2607 Myrtle Street, Oakland CA 94607 PO # _____ Sampler Signature: 						Analysis Requested																					
						BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ; Arcolors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	EPA 200.8(Lead)						
SAMPLE ID Location / Field Point		Sampling		#Containers	Matrix	Preservative																					
		Date	Time																								
011519-1 / Drinking Fountain - adjacent to 1st Fl. Elevator	01-15-19	06:43am	1	DW	7																						
011519-2 / Drinking Fountain - adjacent to 1st Fl. Elevator	01-15-19	06:46am	1	DW	7																						
011519-3 / Hydration Station - adjacent to 1Room 105	01-15-19	06:47am	1	DW	7																						
011519-4 / Drinking Fountain - adjacent to 3rd. Fl. Elevator	01-15-19	06:48am	1	DW	7																						
011519-5 / Faucet - Room 108 Sink	01-15-19	06:49am	1	DW	7																						
011519-6 / Drinking Fountain - Hallway , adjacent to Room 306	01-15-19	06:53am	1	DW	7																						
011519-7 / Drinking Fountain - Hallway , adjacent to Room 212	01-15-19	06:54am	1	DW	7																						
011519-8 / Drinking Fountain - Hallway , adjacent to Room 114	01-15-19	06:52am	1	DW	7																						
011519-9 / Faucet - Room 128 Sink	01-15-19	06:57am	1	DW	7																						
011519-10 / Drinking Fountain - Hallway , adjacent Cafeteria	01-15-19	07:00am	1	DW	7																						
MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.																											
* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.																		Comments / Instructions									
Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.																											
Relinquished By / Company Name						Date		Time		Received By / Company Name						Date						Time					
						01-15-19		11:25								1/15/19						1350					
						01/15/19		1615																			
Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other Preservative Code: 1=4°C 2=HCl 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH 6=ZnOAc/NaOH 7=None																											
																		Temp <u>36.0</u> °C				Initials _____					



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water-Building A,B,H**

Date and Time Received: **1/15/2019 16:15**

Date Logged: **1/15/2019**

Received by: **Kena Ponce**

Logged by: **Kena Ponce**

WorkOrder No: **1901663** Matrix: Water

Carrier: Lorenzo Perez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901667

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking water-Courtyard, Football ;;
Bleachers and Pool Mack Exterior Drinking Water

Project Received: 01/15/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District

Project: McClymond's Drinking water-Courtyard, Football, ; Bleachers and Pool Mack Exterior Drinking Water

WorkOrder: 1901667

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District

Project: McClymond's Drinking water-Courtyard, Football ,; Bleachers and Pool Mack Exterior Drinking Water

WorkOrder: 1901667

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District

Date Received: 1/15/19 16:15

Date Prepared: 1/17/19

Project: McClymond's Drinking water-Courtyard, Football ,;
Bleachers and Pool Mack Exterior Drinking Water

WorkOrder: 1901667

Extraction Method: E200.8

Analytical Method: E200.8

Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-23/Drinking Fountain 1-Courtyard	1901667-001A	Water	01/15/2019 07:00	ICP-MS1 070SMPL.D	171631

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	8.4	0.010	0.50	1	01/17/2019 16:12

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-24/Drinking Fountain 1- Pool	1901667-002A	Water	01/15/2019 07:30	ICP-MS1 071SMPL.D	171631

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	0.74	0.010	0.50	1	01/17/2019 16:18

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-25/Drinkingh Fountain-Football Bleacher	1901667-003A	Water	01/15/2019 07:39	ICP-MS1 072SMPL.D	171631

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.50	J	0.010	0.50	1	01/17/2019 16:25

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-26/Drinkingh Fountain-Football Bleacher	1901667-004A	Water	01/15/2019 07:43	ICP-MS1 073SMPL.D	171631

Analytes	Result	MDL	RL	DF	Date Analyzed
Lead	4.4	0.010	0.50	1	01/17/2019 16:31

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901667
Date Prepared:	1/17/19	BatchID:	171631
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS1	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking water-Courtyard, Football ,; Bleachers and Pool Mack Exterior Drinking Water	Sample ID:	MB/LCS/LCSD-171631

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	0.011,J	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	48	50	95	95	80-120	0	20

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1901667

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking water-
Courtyard, Football, Bleachers and Pool

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 01/15/2019

Date Logged: 01/15/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901667-001	011519-23/Drinking Fountain 1-Courtyard	Water	1/15/2019 07:00	<input type="checkbox"/>	A											
1901667-002	011519-24/Drinking Fountain 1- Pool	Water	1/15/2019 07:30	<input type="checkbox"/>	A											
1901667-003	011519-25/Drinkingh Fountain-Football	Water	1/15/2019 07:39	<input type="checkbox"/>	A											
1901667-004	011519-26/Drinkingh Fountain-Football	Water	1/15/2019 07:43	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking water-Courtyard, Football ,;
Bleachers and Pool Mack Exterior Drinking Water

Comments:

Work Order: 1901667

QC Level: LEVEL 2

Date Logged: 1/15/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901667-001A	011519-23/Drinking Fountain 1-Courtyard	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:00	2 days	None	<input type="checkbox"/>	
1901667-002A	011519-24/Drinking Fountain 1- Pool	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:30	2 days	None	<input type="checkbox"/>	
1901667-003A	011519-25/Drinkingh Fountain-Football Bleacher,N	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:39	2 days	None	<input type="checkbox"/>	
1901667-004A	011519-26/Drinkingh Fountain-Football Bleacher,S	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:43	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



Turn Around Time:	1 Day Rush		2 Day Rush	●	3 Day Rush		STD		Quote #	
J-Flag / MDL	●	ESL		Cleanup Approved			Bottle Order #			
Delivery Format:	PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS	

Sampler Signature: _____




[illegible]

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Comments / Instructions

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	01-15-19	11:25 AM		1/15/19	1350
LAP	1/15/19	1615		1/15/19	1615

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=NoneTemp 3.4 °C Initials _____



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking water-Courtyard, Football, ; Bleachers and Pool Mack Exterior Drinking Water**
WorkOrder №: **1901667** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **1/15/2019 16:15**
Date Logged: **1/15/2019**
Received by: **Kena Ponce**
Logged by: **Kena Ponce**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901664

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymonds Drinking Water-Kitchen

Project Received: 01/15/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymonds Drinking Water-Kitchen
WorkOrder: 1901664

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymonds Drinking Water-Kitchen
WorkOrder: 1901664

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymonds Drinking Water-Kitchen

WorkOrder: 1901664
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-11/Faucet A-Kitchen	1901664-001A	Water	01/15/2019 07:04	ICP-MS3 074SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.12	J	0.010	0.50	1	01/17/2019 15:12

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-12/Faucet B-Kitchen	1901664-002A	Water	01/15/2019 07:06	ICP-MS3 075SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.079	J	0.010	0.50	1	01/17/2019 15:18

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-13/Faucet C-Kitchen	1901664-003A	Water	01/15/2019 07:07	ICP-MS3 076SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.010	J	0.010	0.50	1	01/17/2019 15:24

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-14/Faucet D-Kitchen	1901664-004A	Water	01/15/2019 07:08	ICP-MS3 077SMPL.D	171625

Analytes	Result	Qualifiers	MDL	RL	DF	Date Analyzed
Lead	0.32	J	0.010	0.50	1	01/17/2019 15:31

Analyst(s): MIG

(Cont.)

CA ELAP 1644



Analytical Report

Client: Oakland Unified School District
Date Received: 1/15/19 16:15
Date Prepared: 1/17/19
Project: McClymonds Drinking Water-Kitchen

WorkOrder: 1901664
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011519-15/Faucet F-Kitchen	1901664-005A	Water	01/15/2019 07:08	ICP-MS3 078SMPL.D	171625

<u>Analytes</u>	<u>Result</u>	<u>Qualifiers</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	0.36	J	0.010	0.50	1	01/17/2019 15:37

Analyst(s): MIG



Quality Control Report

Client: Oakland Unified School District
Date Prepared: 1/17/19
Date Analyzed: 1/17/19
Instrument: ICP-MS2
Matrix: Drinking Water
Project: McClymonds Drinking Water-Kitchen

WorkOrder: 1901664
BatchID: 171625
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-171625

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	47	47	50	93	93	80-120	0	20

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 1901664

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymonds Drinking Water-Kitchen

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 01/15/2019

Date Logged: 01/15/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901664-001	011519-11/Faucet A-Kitchen	Water	1/15/2019 07:04	<input type="checkbox"/>	A											
1901664-002	011519-12/Faucet B-Kitchen	Water	1/15/2019 07:06	<input type="checkbox"/>	A											
1901664-003	011519-13/Faucet C-Kitchen	Water	1/15/2019 07:07	<input type="checkbox"/>	A											
1901664-004	011519-14/Faucet D-Kitchen	Water	1/15/2019 07:08	<input type="checkbox"/>	A											
1901664-005	011519-15/Faucet F-Kitchen	Water	1/15/2019 07:08	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Kena Ponce

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymonds Drinking Water-Kitchen

Comments:

Work Order: 1901664

QC Level: LEVEL 2

Date Logged: 1/15/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901664-001A	011519-11/Faucet A-Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:04	2 days	None	<input type="checkbox"/>	
1901664-002A	011519-12/Faucet B-Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:06	2 days	None	<input type="checkbox"/>	
1901664-003A	011519-13/Faucet C-Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:07	2 days	None	<input type="checkbox"/>	
1901664-004A	011519-14/Faucet D-Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:08	2 days	None	<input type="checkbox"/>	
1901664-005A	011519-15/Faucet F-Kitchen	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/15/2019 7:08	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



RUSH

main@mccampbell.com

Turn Around Time: 1 Day Rush		2 Day Rush		●	3 Day Rush		STD		Quote #	
J-Flag / MDL		●	ESL		Cleanup Approved			Bottle Order #		
Delivery Format:		PDF		GeoTracker EDF		EDD		Write On (DW)		EQuIS

Sampler Signature:

BTEX & TPH as Gas (8021/8015) MTBE
TPH as Diesel (8015) + Motor Oil
Without Silica Gel
TPH as Diesel (8015) + Motor Oil <u>With</u>
Silica Gel
Total Oil & Grease (1664 / 9071) <u>Without</u>
Silica Gel
Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) <u>With Silica Gel</u>
Total Petroleum Hydrocarbons (418.1)
<u>With Silica Gel</u>
EPA 505/608 / 8081 (CI Pesticides)
EPA 608 / 8082 PCB's ; Aroclors only
EPA 524.2 / 624 / 8260 (VOCs)
EPA 525.2 / 625 / 8270 (SYOCs)
EPA 8270 SIM / 8310 (PAHs / PNAs)
CAM 17 Metals (200.8 / 6020)*
Metals (200.8 / 6020)
Baylands Requirements
Lab to filter sample for dissolved metals analysis
EPA 200.8(Lead)




SAMPLE ID Location / Field Point	Sampling		#Containers	Matrix	Preservative
	Date	Time			
011519-11 / Faucet A - Kitchen	01-15-19	07:04am	1	DW	7
011519-12 / Faucet B - Kitchen	01-15-19	07:06am	1	DW	7
011519-13 / Faucet C - Kitchen	01-15-19	07:07am	1	DW	7
011519-14 / Faucet D - Kitchen	01-15-19	07:08am	1	DW	7
011519-15 / Faucet F - Kitchen	01-15-19	07:08am	1	DW	7

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	01-15-19	11:24am	 LAP	1/15/19	1350
LAP	1/15/19	1615		1/15/19	1615

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 50 °C Initials _____



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymonds Drinking Water-Kitchen**

Date and Time Received: **1/15/2019 16:15**

Date Logged: **1/15/2019**

Received by: **Kena Ponce**

Logged by: **Kena Ponce**

WorkOrder No: **1901664** Matrix: Water

Carrier: Lorenzo Perez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1901736

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water-Building A, B, & H

Project Received: 01/16/2019

Analytical Report reviewed & approved for release on 01/18/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building A, B, & H
WorkOrder: 1901736

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water-Building A, B, & H
WorkOrder: 1901736

Analytical Qualifiers

J Result is less than the RL/ML but greater than the MDL. The reported concentration is an estimated value.



Analytical Report

Client: Oakland Unified School District

WorkOrder: 1901736

Date Received: 1/16/19 15:45

Extraction Method: E200.8

Date Prepared: 1/17/19

Analytical Method: E200.8

Project: McClymond's Drinking Water-Building A, B, & H

Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
011619-1/Drinking Fountain - Hallway, adjace	1901736-001A	Water	01/16/2019 05:06	ICP-MS1 074SMPL.D	171631

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	5.0	0.010	0.50	1	01/17/2019 16:37

Analyst(s): MIG



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1901736
Date Prepared:	1/17/19	BatchID:	171631
Date Analyzed:	1/17/19	Extraction Method:	E200.8
Instrument:	ICP-MS1	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water-Building A, B, & H	Sample ID:	MB/LCS/LCSD-171631

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	0.011,J	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	48	50	95	95	80-120	0	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

☐ WaterTrax ☐ WriteOn ☐ EDF

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1901736

ClientCode: OUSD

☐ Excel ☐ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water-Building A,
B, & H

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 01/16/2019

Date Logged: 01/16/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1901736-001	011619-1/Drinking Fountain - Hallway, adjace	Water	1/16/2019 05:06	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_TTLC_W	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Nancy Palacios

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water-Building A, B, & H

Comments:

Work Order: 1901736

QC Level: LEVEL 2

Date Logged: 1/16/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1901736-001A	011619-1/Drinking Fountain - Hallway, adjace	Water	E200.8 (Lead) (Total)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	1/16/2019 5:06	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

5.8 WET



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water-Building A, B, & H**
WorkOrder No: **1901736** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **1/16/2019 15:45**
Date Logged: **1/16/2019**
Received by: **Nancy Palacios**
Logged by: **Nancy Palacios**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 5.8°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	NA <input type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1903310

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water- Room 108 and Yard
Retest

Project Received: 03/06/2019

Analytical Report reviewed & approved for release on 03/08/2019 by:

Yen Cao

Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water- Room 108 and Yard Retest
WorkOrder: 1903310

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Oakland Unified School District
Date Received: 3/6/19 16:15
Date Prepared: 3/7/19
Project: McClymond's Drinking Water- Room 108 and Yard Retest

WorkOrder: 1903310
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
030619-1/Drinking Fountain 1- Yard, adjacent	1903310-001A	Water	03/06/2019 06:44	ICP-MS1 021SMPL.D	174212
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	22	0.010	0.50	1	03/07/2019 17:42

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
030619-2/ Faucet- Room 108 Sink	1903310-002A	Water	03/06/2019 06:49	ICP-MS1 024SMPL.D	174212
<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	1.4	0.010	0.50	1	03/07/2019 17:56

Analyst(s): MIG



Quality Control Report

Client: Oakland Unified School District
Date Prepared: 3/7/19
Date Analyzed: 3/7/19
Instrument: ICP-MS1
Matrix: Drinking Water
Project: McClymond's Drinking Water- Room 108 and Yard Retest

WorkOrder: 1903310
BatchID: 174212
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L
Sample ID: MB/LCS/LCSD-174212
1903310-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	50	50	50	101	100	85-115	0.877	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	70	70	50	21.57	98	98	85-115	0	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1903310

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water- Room 108
and Yard Retest

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 03/06/2019

Date Logged: 03/06/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1903310-001	030619-1/Drinking Fountain 1- Yard, adjacent	Water	3/6/2019 06:44	<input type="checkbox"/>	A											
1903310-002	030619-2/ Faucet- Room 108 Sink	Water	3/6/2019 06:49	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water- Room 108 and Yard Retest

Comments:

Work Order: 1903310

QC Level: LEVEL 2

Date Logged: 3/6/2019

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1903310-001A	030619-1/Drinking Fountain 1- Yard, adjacent	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	3/6/2019 6:44	2 days	None	<input type="checkbox"/>	
1903310-002A	030619-2/ Faucet- Room 108 Sink	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	3/6/2019 6:49	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water- Room 108 and Yard Retest**

Date and Time Received: **3/6/2019 16:15**

Date Logged: **3/6/2019**

Received by: **Lilly Ortiz**

Logged by: **Lilly Ortiz**

WorkOrder №: **1903310** Matrix: Water

Carrier: Lorenzo Perez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 1.6°C	NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1904606

Report Created for: Oakland Unified School District

955 High Street
Oakland, CA 94601

Project Contact: Sorbor Twegbe

Project P.O.: PO19-00032

Project: McClymond's Drinking Water- Yard Retest

Project Received: 04/11/2019

Analytical Report reviewed & approved for release on 04/15/2019 by:

Jennifer Lagerbom
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.





Glossary of Terms & Qualifier Definitions

Client: Oakland Unified School District
Project: McClymond's Drinking Water- Yard Retest
WorkOrder: 1904606

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Oakland Unified School District
Date Received: 4/11/19 16:30
Date Prepared: 4/12/19
Project: McClymond's Drinking Water- Yard Retest

WorkOrder: 1904606
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
041119-1/Drinking Fountain 1- Yard, adjacent	1904606-001A	Water	04/11/2019 06:11	ICP-MS3 152SMPL.D	176196

<u>Analytes</u>	<u>Result</u>	<u>MDL</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	9.5	0.010	0.50	1	04/12/2019 23:50

Analyst(s): ND



Quality Control Report

Client:	Oakland Unified School District	WorkOrder:	1904606
Date Prepared:	4/12/19	BatchID:	176196
Date Analyzed:	4/12/19	Extraction Method:	E200.8
Instrument:	ICP-MS2	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	McClymond's Drinking Water- Yard Retest	Sample ID:	MB/LCS/LCSD-176196

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.010	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	49	50	96	98	80-120	1.22	20



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1904606

ClientCode: OUSD

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☒ J-flag
☐ Detection Summary ☒ Dry-Weight

Report to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
(415) 632-0350 FAX:

Email: sorbor.twegbe@ousd.org
cc/3rd Party:
PO: PO19-00032
Project: McClymond's Drinking Water- Yard Retest

Bill to:

Sorbor Twegbe
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Requested TAT: 2 days;

Date Received: 04/11/2019

Date Logged: 04/11/2019

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1904606-001	041119-1/Drinking Fountain 1- Yard, adjacent	Water	4/11/2019 06:11	<input type="checkbox"/>	A											

Test Legend:

1	PBMS_DW	2		3		4	
5		6		7		8	
9		10		11		12	

Project Manager: Nicole Hisamoto

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: OAKLAND UNIFIED SCHOOL DISTRICT

Client Contact: Sorbor Twegbe

Contact's Email: sorbor.twegbe@ousd.org

Project: McClymond's Drinking Water- Yard Retest

Comments:

Work Order: 1904606

QC Level: LEVEL 2

Date Logged: 4/11/2019

☐ WaterTrax

☐ WriteOn

☐ EDF

☐ Excel

☒ EQUIS

☐ Email

☐ HardCopy

☐ ThirdParty

☒ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De- chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1904606-001A	041119-1/Drinking Fountain 1- Yard, adjacent	Water	E200.8 (Lead)	1	250mL HDPE, unprsv.	<input type="checkbox"/>	4/11/2019 6:11	2 days	None	<input type="checkbox"/>	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: **Oakland Unified School District**
Project: **McClymond's Drinking Water- Yard Retest**
WorkOrder No: **1904606** Matrix: Water
Carrier: Lorenzo Perez (MAI Courier)

Date and Time Received: **4/11/2019 16:30**
Date Logged: **4/11/2019**
Received by: **Lilly Ortiz**
Logged by: **Lilly Ortiz**

Chain of Custody (COC) Information

Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample IDs noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Date and Time of collection noted by Client on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sampler's name noted on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
COC agrees with Quote?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper containers/bottles?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>
Samples Received on Ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 2.8°C		NA <input type="checkbox"/>
Water - VOA vials have zero headspace / no bubbles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Sample labels checked for correct preservation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO ₃ : <2; 522: <4; 218.7: >8)?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: pH adjusted in Lab.