



ENVIRONMENTAL, INC.

September 25, 2023

Mr. Sorbor Gma Twegbe
Environmental Health and Safety Manager
Oakland Unified School District
955 High Street
Oakland, CA 94601
sorbor.twegbe@ousd.org

Summary Report – Lead in Water Testing (September 2023 Sampling)
McClymonds High School
2607 Myrtle St, Oakland, CA 94607
SCA Project No.: K-13912

Dear Mr. Twegbe:

As requested, SCA Environmental, Inc. (SCA) conducted lead in water testing for potable water sources throughout McClymonds High School in Oakland, CA. SCA sampled the 30 locations identified by the Oakland Unified School District (OUSD). At the direction of OUSD, only pre-flush samples were collected. The health effects of excessive levels of lead in water include central and peripheral nervous system damage and kidney effects. Excessive lead levels are also highly toxic to infants and pregnant women.

Sampling was conducted to determine the lead content versus the EPA's permissible limit of 15 ppb for lead. Note that the lead standard is part of the National Primary Drinking Water Regulations (NPDWRs) that are mandatory standards for drinking water.

Measurements of lead content were conducted following guidelines proposed by the Safe Drinking Water Act (EPA - 40 CFR Part 141.80) and the California Department of Public Health (CDPH) for the sampling of lead contamination in drinking water. Each faucet location was only sampled pre-flush (or first draw). Lead concentration would normally be highest in the pre-flush samples if the brass fittings are a contributing source.

The 30 pre-flush samples, totaling 250-ml each, were collected by SCA and then analyzed at McCampbell Analytical's NELAP-accredited laboratory in Pittsburg, CA. Lead analyses were completed by induced coupled plasma/mass spectroscopy (ICP/MS) by EPA Method E200.8 with results reported in µg/L (equivalent to ppb).

Potable water lead concentrations for the faucets and sampling information are shown below:

Building	Location	Sample I.D.	Pre-Flush or Post-Flush	System	Sample Date	Sample Time	Lead (ppb)	Comments
Unit A1	Kitchen	MCHS-OUSD-A1-1	Pre-Flush	Sink	9/12/23	6:57	<0.50	Under EPA std. of 15 ppb
Unit A1	Kitchen	MCHS-OUSD-A1-2	Pre-Flush	Sink	9/12/23	6:58	<0.50	Under EPA std. of 15 ppb
Unit A1	Kitchen	MCHS-OUSD-A1-3	Pre-Flush	Sink	9/12/23	7:00	<0.50	Under EPA std. of 15 ppb
Unit A1	Kitchen	MCHS-OUSD-A1-4	Pre-Flush	Sink	9/12/23	7:01	<0.50	Under EPA std. of 15 ppb
Unit A1	Kitchen	MCHS-OUSD-A1-5	Pre-Flush	Sink	9/12/23	7:02	<0.50	Under EPA std. of 15 ppb
Unit A1	Classroom 132	MCHS-OUSD-A1-6	Pre-Flush	Sink	9/12/23	7:04	26	Above EPA std. of 15 ppb
Unit A1	Wing A 1st Floor Hallway	MCHS-OUSD-A1-7	Pre-Flush	Drinking Fountain	9/12/23	7:06	0.75	Under EPA std. of 15 ppb

Building	Location	Sample I.D.	Pre-Flush or Post-Flush	System	Sample Date	Sample Time	Lead (ppb)	Comments
Unit A1	Wing A, 1st Floor Rm 128	MCHS-OUUSD-A1-8	Pre-Flush	Sink	NA	NA	NA	Not Sampled, Under Repair
Unit A2	Wing A, 2nd Floor Hallway	MCHS-OUUSD-A2-1	Pre-Flush	Drinking Fountain	9/12/23	7:39	0.52	Under EPA std. of 15 ppb
Unit B1	Wing B, 1st Floor Hallway	MCHS-OUUSD-B1-1	Pre-Flush	Drinking Fountain	9/12/23	7:17	<0.50	Under EPA std. of 15 ppb
Unit B2	Wing B, 2nd Floor Hallway	MCHS-OUUSD-B2-1	Pre-Flush	Drinking Fountain	9/12/23	7:33	<0.50	Under EPA std. of 15 ppb
Unit B3	Wing B, 3rd Floor Hallway	MCHS-OUUSD-B3-1	Pre-Flush	Drinking Fountain	9/12/23	7:28	0.84	Under EPA std. of 15 ppb
Unit C1	Lobby	MCHS-OUUSD-C1-1	Pre-Flush	Drinking Fountain	9/12/23	7:48	1.5	Under EPA std. of 15 ppb
Unit C1	C Kitchen	MCHS-OUUSD-C1-2	Pre-Flush	Sink	9/12/23	7:49	1.1	Under EPA std. of 15 ppb
Unit C1	Clinic Lobby	MCHS-OUUSD-C1-3	Pre-Flush	Drinking Fountain	9/12/23	7:51	1.1	Under EPA std. of 15 ppb
Unit D1	Gym, Boys Hallway	MCHS-OUUSD-D1-B-1	Pre-Flush	Flowwater Purification Water Station	9/12/23	7:58	<0.50	Under EPA std. of 15 ppb
Unit D1	Gym, Boys Locker	MCHS-OUUSD-D1-B-2	Pre-Flush	Drinking Fountain	9/12/23	7:59	1.3	Under EPA std. of 15 ppb
Unit D1	Gym, Girls Hallway	MCHS-OUUSD-D1-G-1	Pre-Flush	Drinking Fountain	9/12/23	8:01	<0.50	Under EPA std. of 15 ppb
Unit D1	Gym, Girls Locker	MCHS-OUUSD-D1-G-2	Pre-Flush	Drinking Fountain	9/12/23	8:02	1.7	Under EPA std. of 15 ppb
Unit E1	Pool Area	MCHS-OUUSD-E1-1	Pre-Flush	Drinking Fountain	9/12/23	8:05	1.2	Under EPA std. of 15 ppb
Unit H1	Wing H, 1st Floor Hallway	MCHS-OUUSD-H1-1	Pre-Flush	Drinking Fountain	9/12/23	7:23	<0.50	Under EPA std. of 15 ppb
Unit H1	Wing H, 1st Floor Hallway	MCHS-OUUSD-H1-2	Pre-Flush	Hydration Station	9/12/23	7:20	<0.50	Under EPA std. of 15 ppb
Unit H1	Wing H, 1st Floor Room 106 Kitchen	MCHS-OUUSD-H1-106	Pre-Flush	Sink	9/12/23	7:21	14	Under EPA std. of 15 ppb
Unit H2	Wing H, 2nd Floor Hallway	MCHS-OUUSD-H2-1	Pre-Flush	Drinking Fountain	9/12/23	7:31	1.0	Under EPA std. of 15 ppb
Unit H3	Wing H, 3rd Floor Hallway	MCHS-OUUSD-H3-1	Pre-Flush	Drinking Fountain	9/12/23	7:26	0.81	Under EPA std. of 15 ppb
Field	Football Field North Spigot	MCHS-OUUSD-FIELD-1	Pre-Flush	Spigot	9/12/23	8:15	<0.50	Under EPA std. of 15 ppb
Field	Football Field North Fountain	MCHS-OUUSD-FIELD-2	Pre-Flush	Drinking Fountain	9/12/23	8:16	<0.50	Under EPA std. of 15 ppb
Field	Football Field South Spigot	MCHS-OUUSD-FIELD-3	Pre-Flush	Spigot	9/12/23	8:18	3.6	Under EPA std. of 15 ppb
Field	Football Field South Fountain	MCHS-OUUSD-FIELD-4	Pre-Flush	Drinking Fountain	9/12/23	8:19	0.89	Under EPA std. of 15 ppb
Exterior	Outside Wing A, Tables	MCHS-OUUSD-OUT-1	Pre-Flush	Drinking Fountain	9/12/23	8:25	1.4	Under EPA std. of 15 ppb

Above EPA standard of 15 ppb Sample Not Collected

All pre-flush samples for the sources tested were below the EPA's permissible limit for drinking water of 15 ppb, except for the sink in Classroom 132 of Building Unit A1. SCA recommends that a filter be installed on the faucet to reduce lead concentrations as an interim measure, and that if feasible, the plumbing lines be replaced at a future date.

The sink in Wing A, 1st Floor Room 128 of Building Unit A1 was not sampled due to ongoing repairs. Previous sampling from March 2023 had results of 3.1 ppb, below the EPA's permissible limit. SCA recommends that the sink be re-sampled once repairs are complete if the sink or plumbing system was modified in any way.

Sincerely,

SCA ENVIRONMENTAL, INC.



Tucker Kalman, CAC, CDPH, QSD/QSP, REPA
Sr. Project Manager
415/723-0962
tkalman@sca-enviro.com



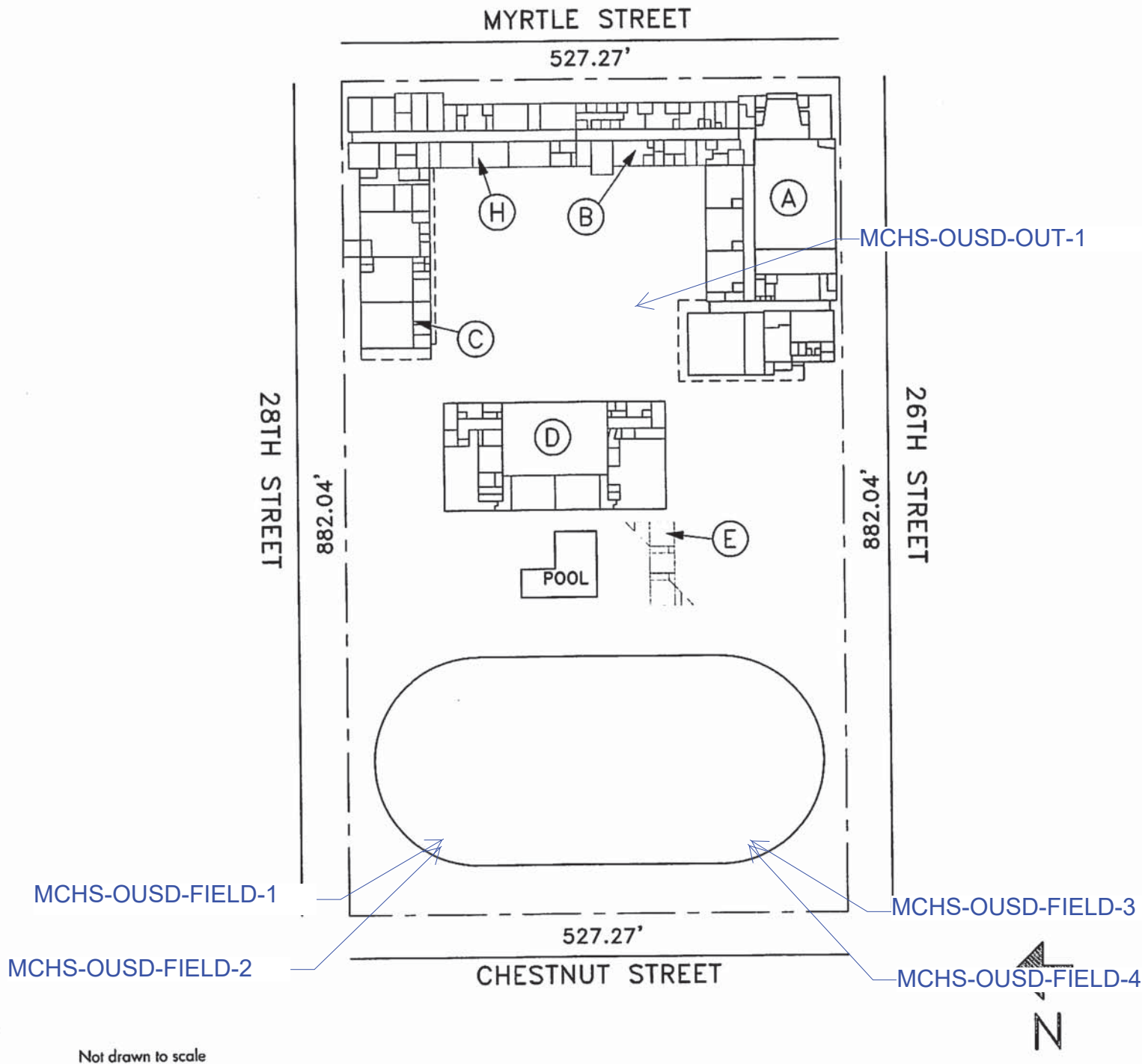
Dan Leung, CIH, CSP, CDPH, CAC
Vice President
415/867-9544
dleung@sca-enviro.com

Attachment:

1. Sample Location Diagrams
2. Photos of Sample Locations
3. Lead Laboratory Report

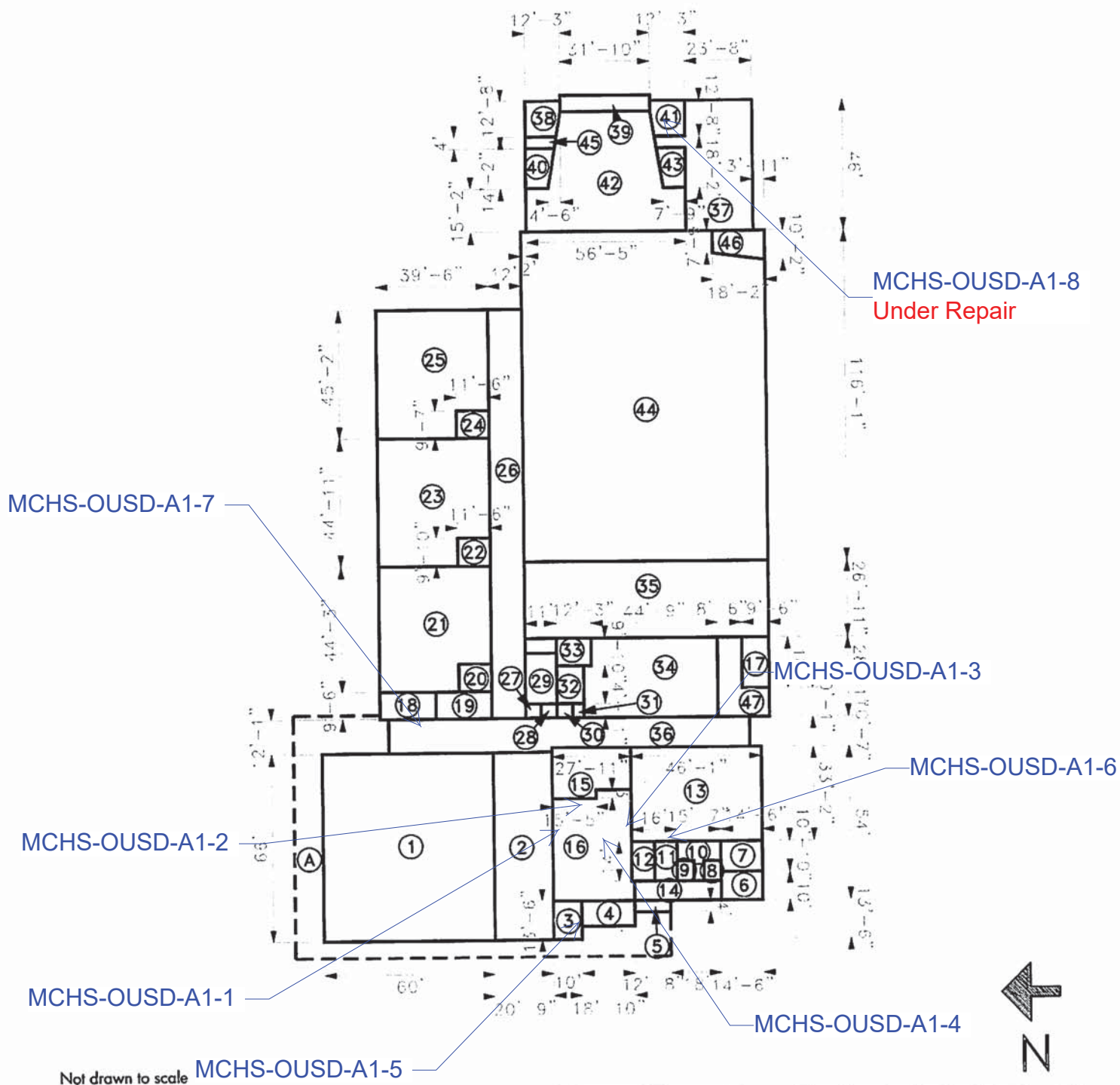
Attachment 1

Sample Location Diagrams



303 - McClymonds High School - Site Plan

2607 Myrtle Street - Oakland, CA 94607-3415



303 - McClymonds High School - Unit A1

2607 Myrtle Street - Oakland, CA 94607-3415

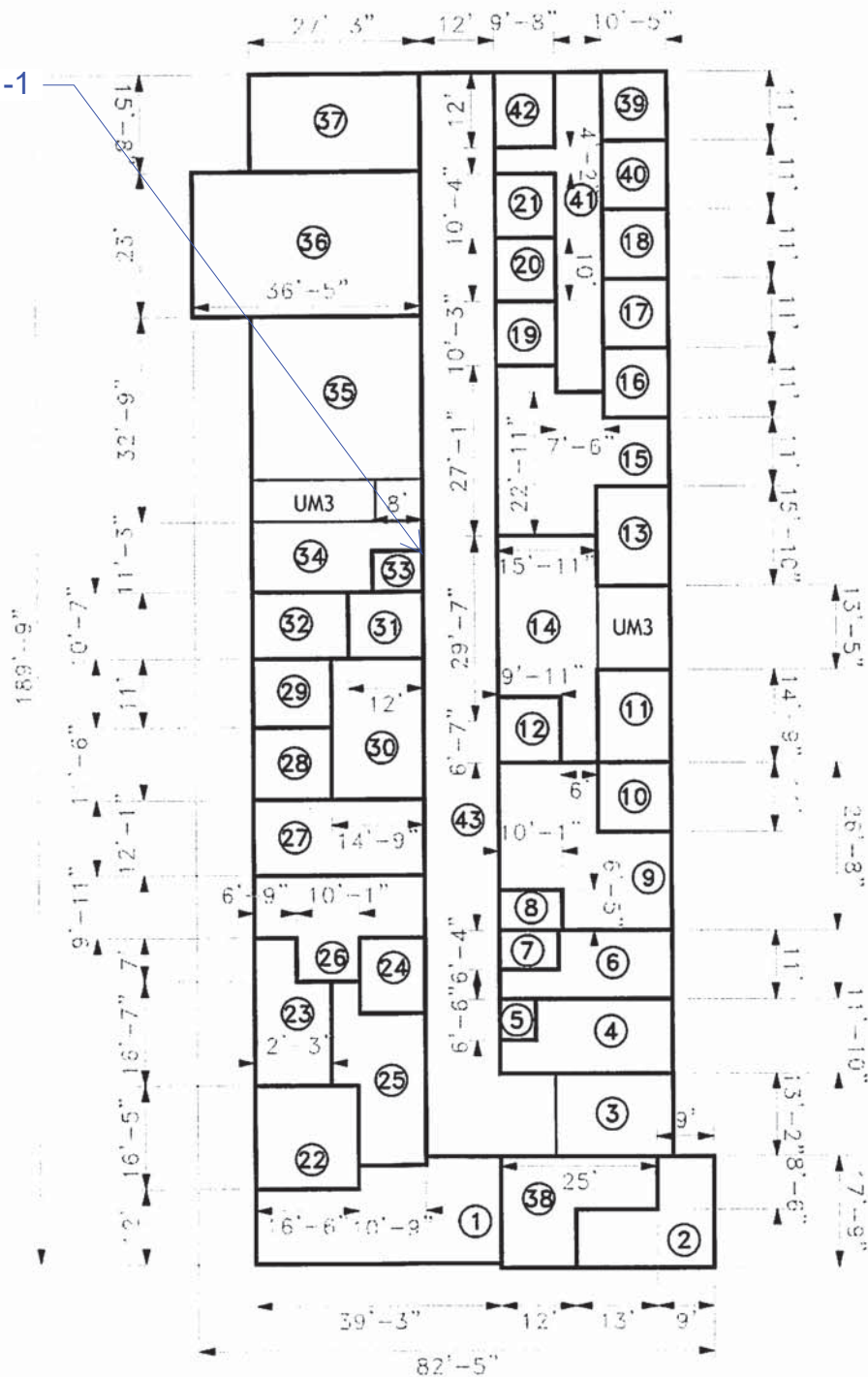
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2011

Figure 2. Sample Locations
Drinking Water Lead Testing
Unit A1
SCA Project No.: K13912
Sampled September 12, 2023

MCHS-OUSD-B1-1



Not drawn to scale

303 - McClymonds High School - Unit B1

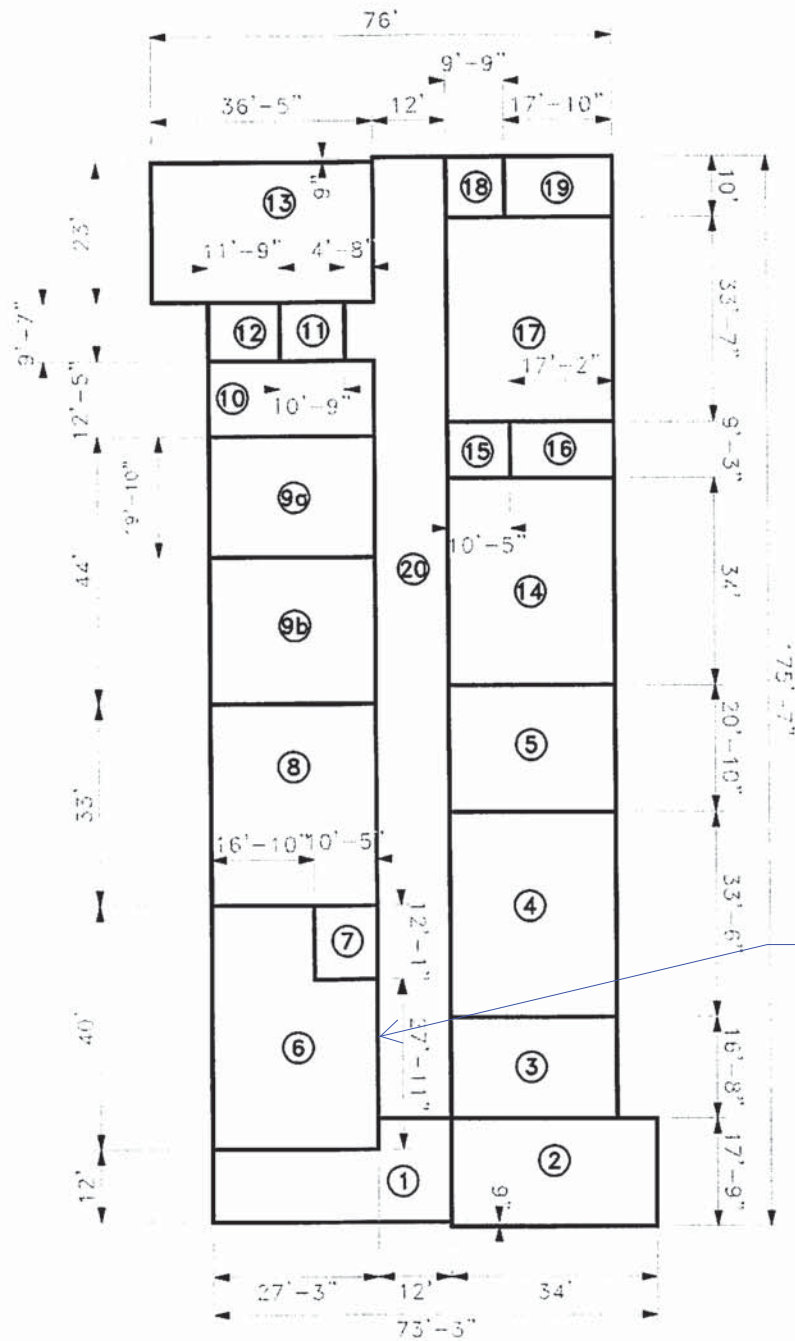
2607 Myrtle Street - Oakland, CA 94607-3415

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2011

Figure 4. Sample Locations
Drinking Water Lead Testing
Unit B1
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale



303 - McClymonds High School - Unit B2

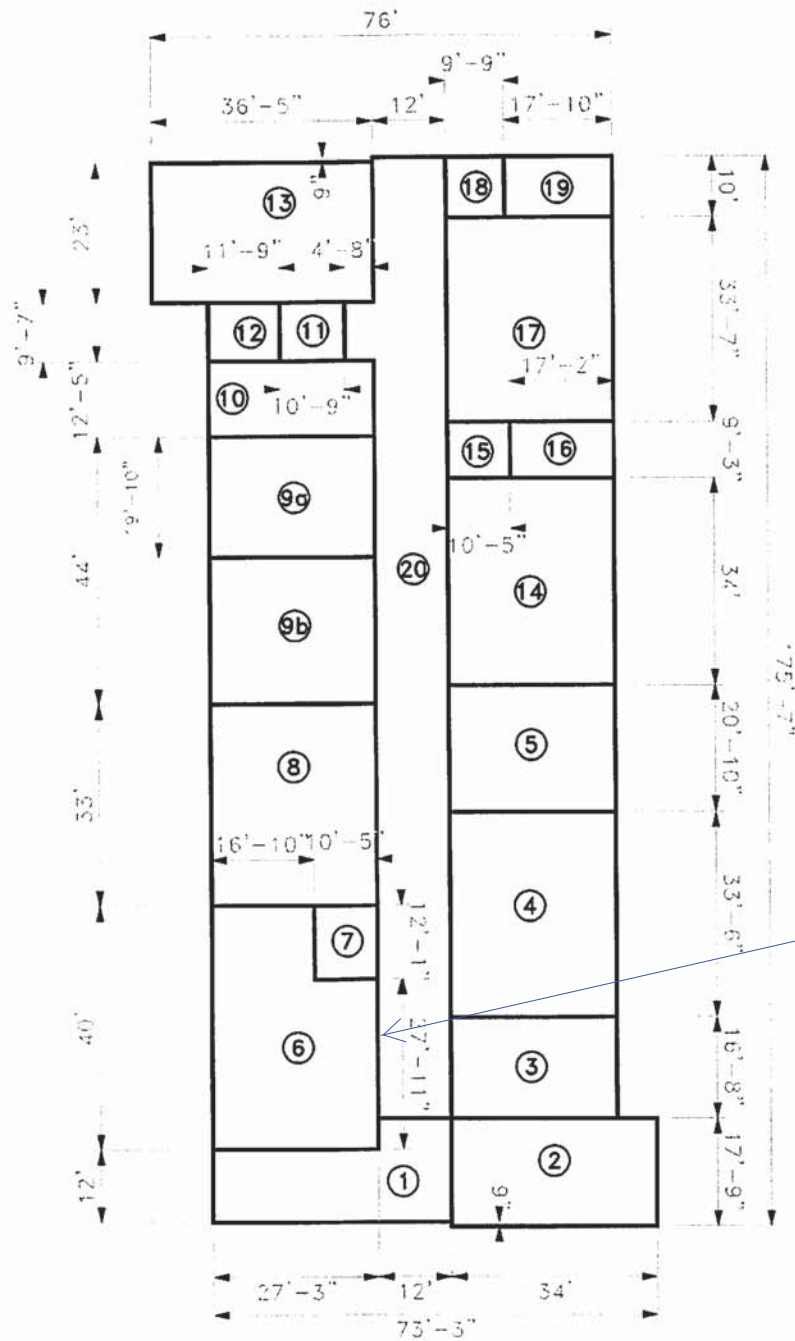
2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 5. Sample Locations
Drinking Water Lead Testing
Unit B2
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale

303 - McClymonds High School - Unit B3

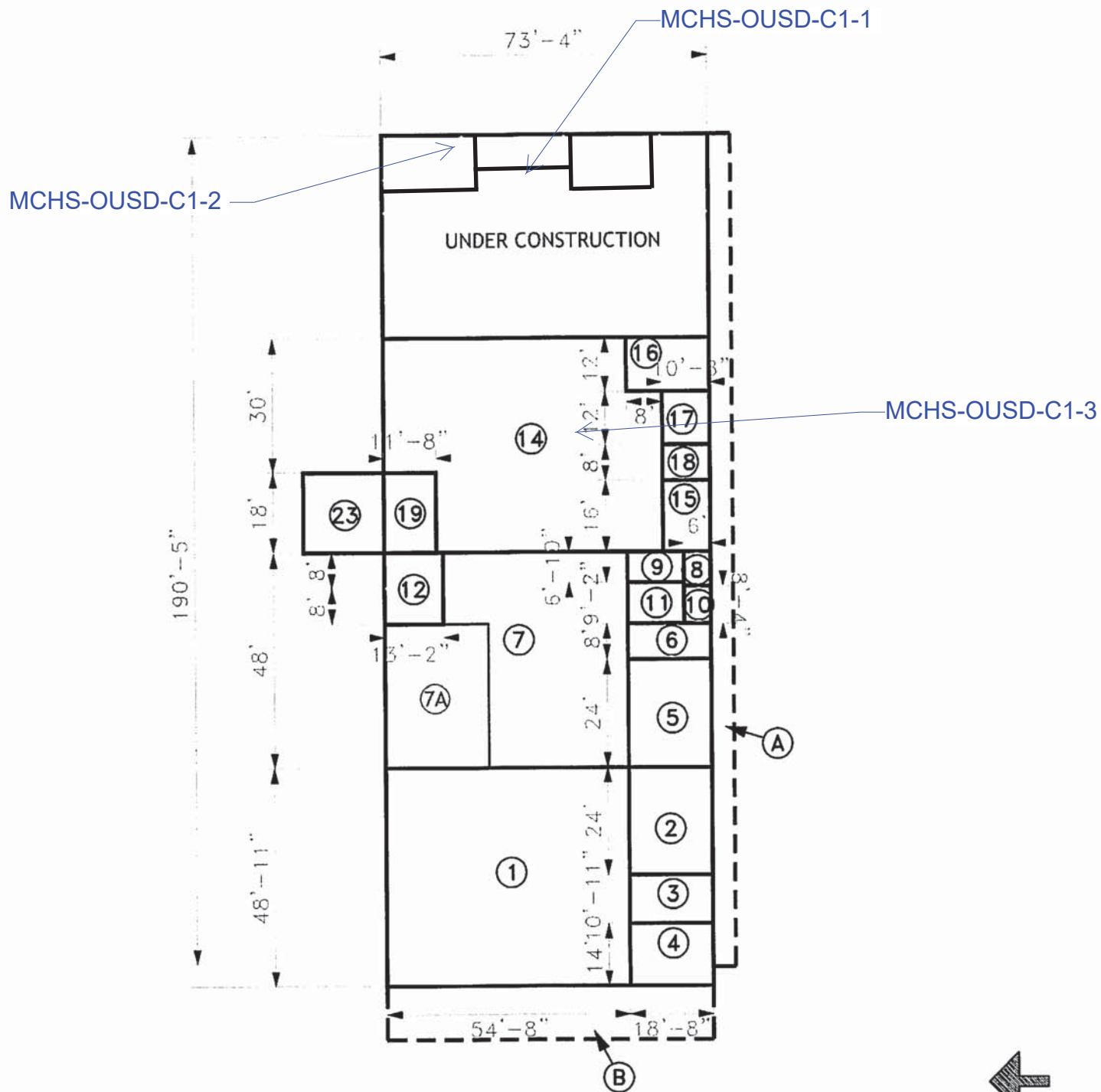
2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 6. Sample Locations
Drinking Water Lead Testing
Unit B3
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale

303 - McClymonds High School - Unit C1

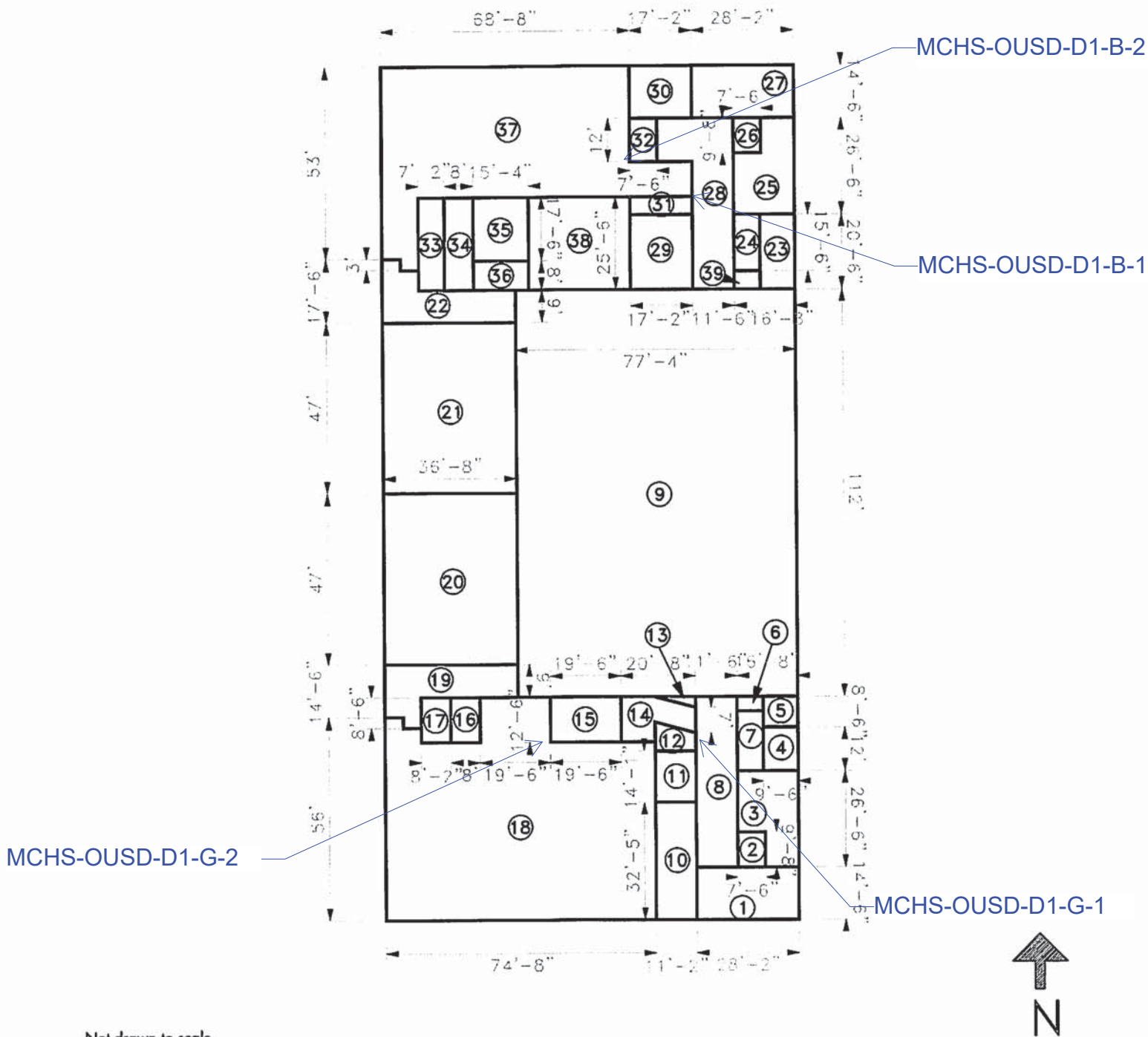
2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 7. Sample Locations
Drinking Water Lead Testing
Unit C1
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale

303 - McClymonds High School - Unit D1

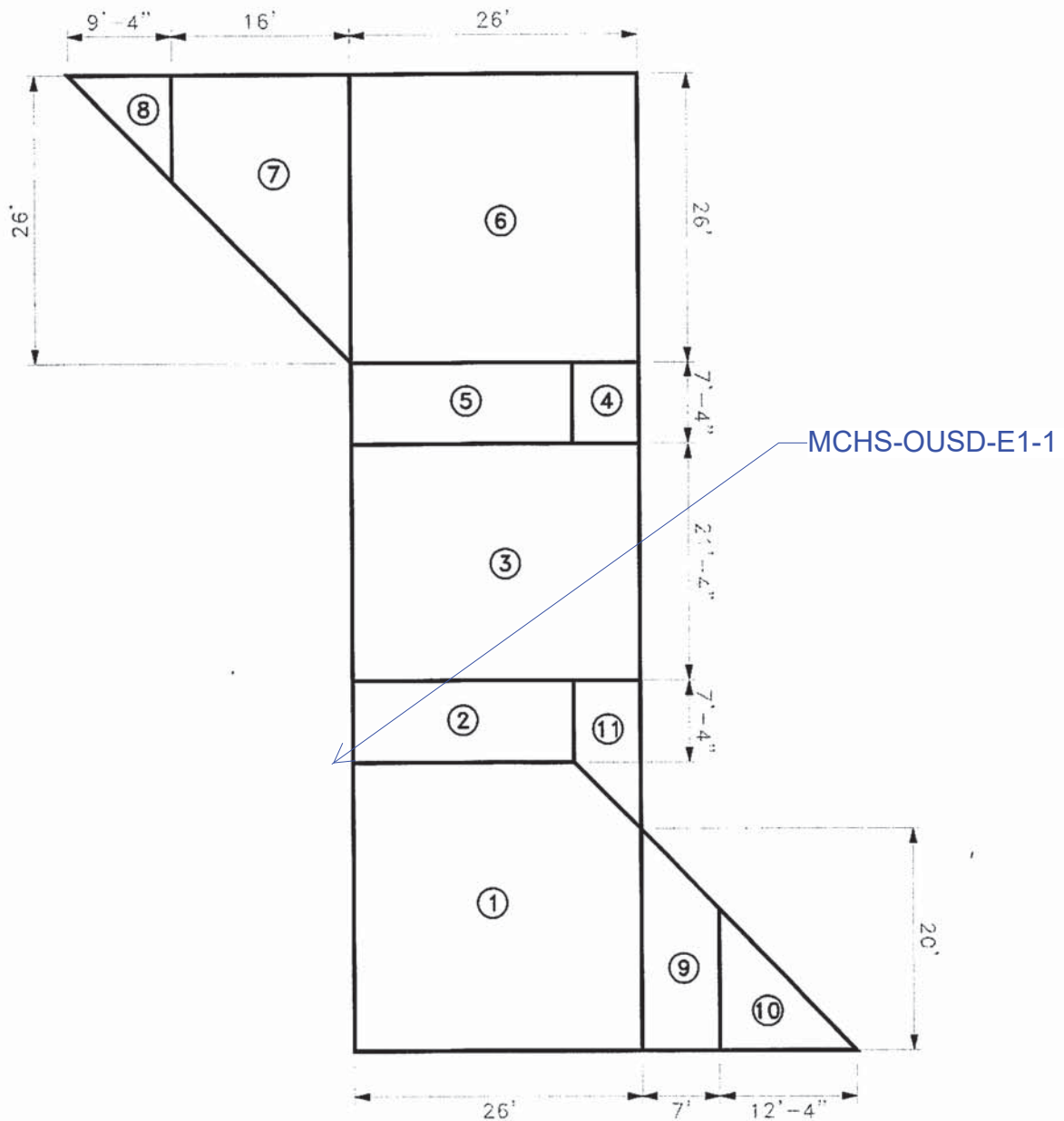
2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 8. Sample Locations
Drinking Water Lead Testing
Unit D1
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale

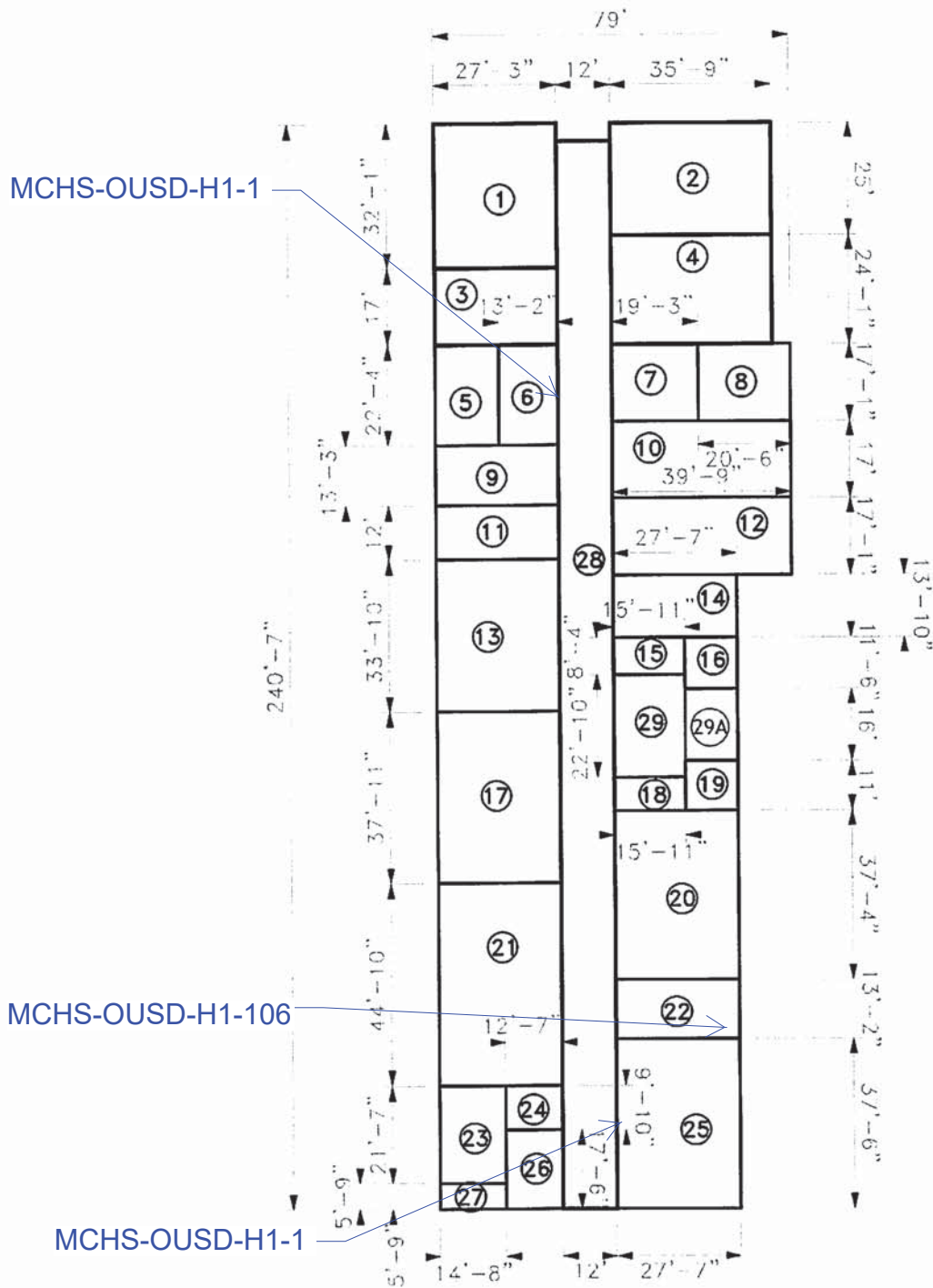
303 - McClymonds High School - Unit E

2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 9. Sample Locations
Drinking Water Lead Testing
Unit E
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale



303 - McClymonds High School - Unit H1

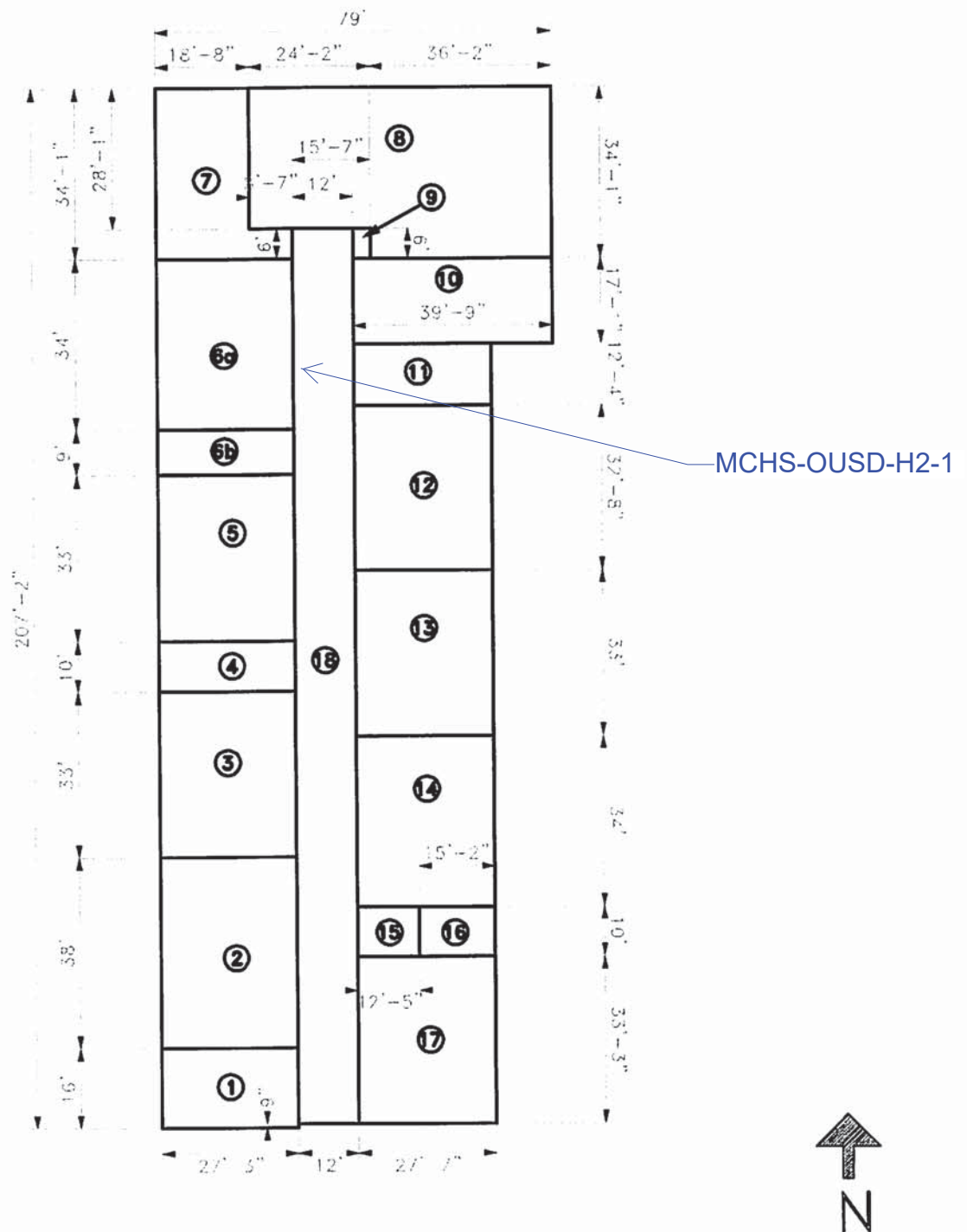
2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 10. Sample Locations
Drinking Water Lead Testing
Unit H1
SCA Project No.: K13912
Sampled September 12, 2023



Not drawn to scale

303 - McClymonds High School - Unit H2

2607 Myrtle Street - Oakland, CA 94607-3415

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Figure 11. Sample Locations
Drinking Water Lead Testing
Unit H2
SCA Project No.: K13912
Sampled September 12, 2023

Attachment 2

Photos of Sample Locations



MCHS-OU5D-A1-1



MCHS-OU5D-A1-2



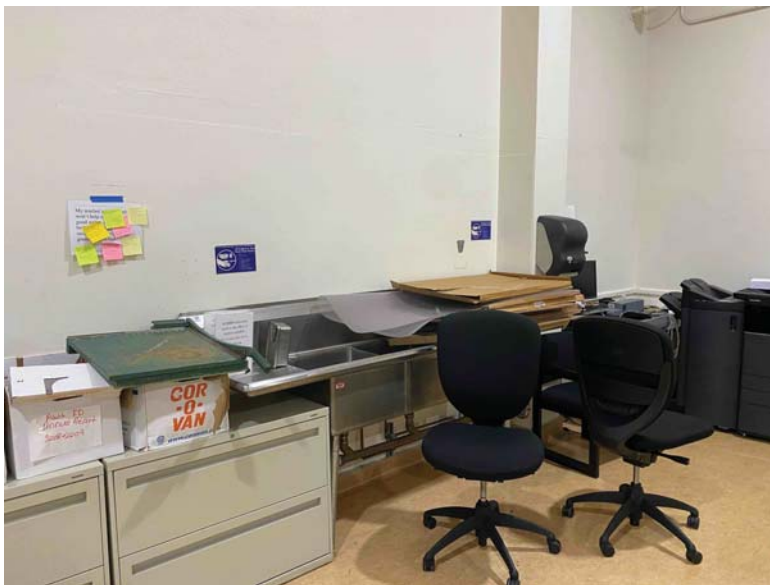
MCHS-OSUD-A1-3



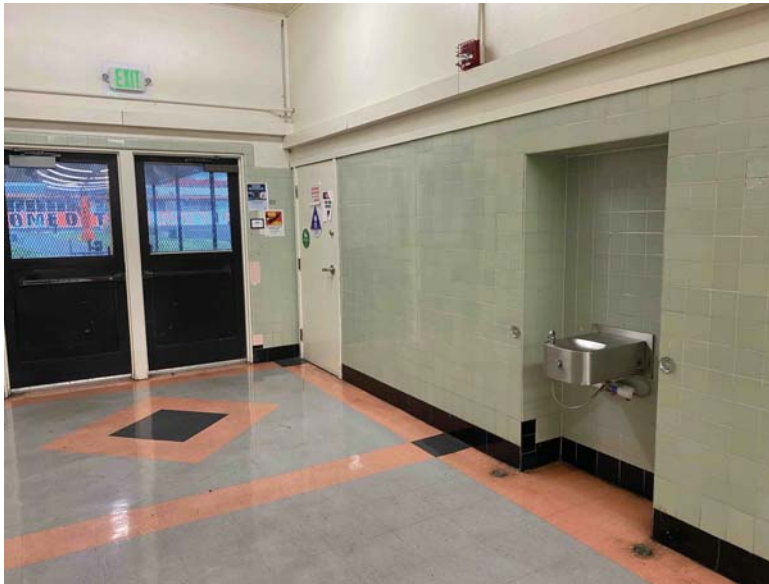
MCHS-OSUD-A1-4



MCHS-OSUD-A1-5



MCHS-OSUD-A1-6



MCHS-OUISD-A1-7



MCHS-OUISD-A1-8
Under Repair



MCHS-OUIS-A2-1



MCHS-OUIS-B1-1



MCHS-OSUD-H1-1



MCHS-OSUD-H1-106



MCHS-OSUD-HI-2



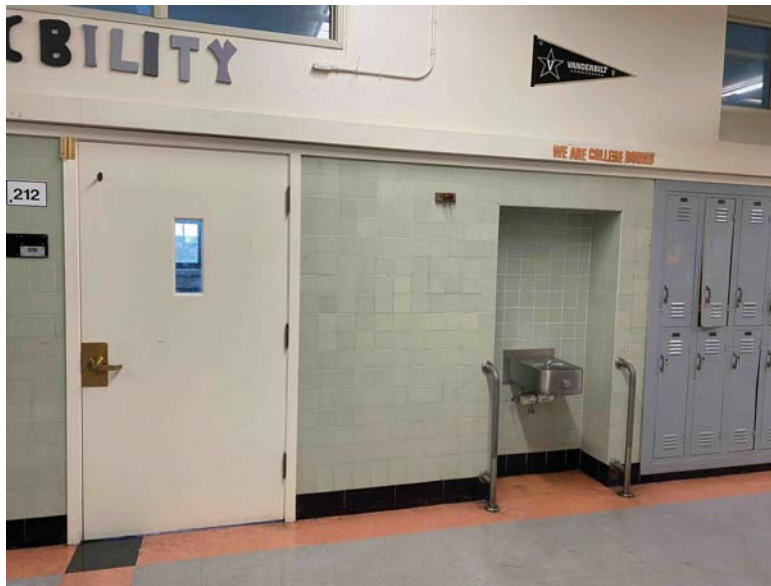
MCHS-OSUD-C1-1



MCHS-OSUD-C1-2



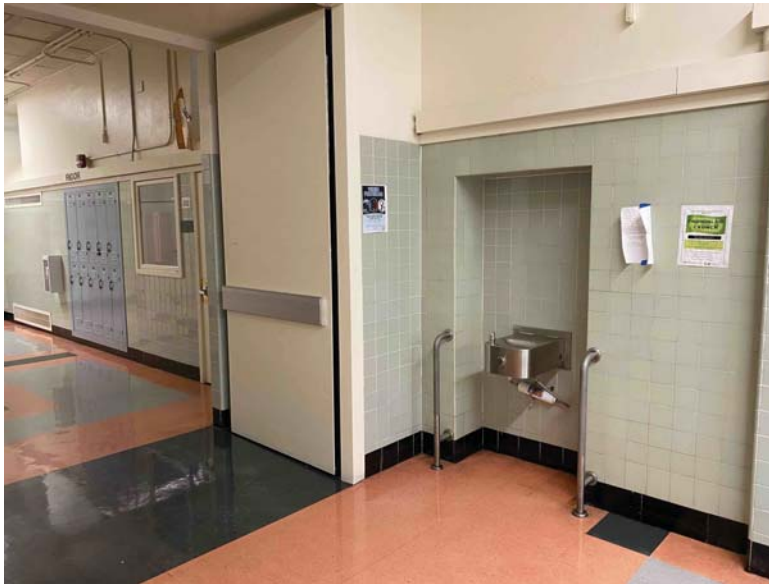
MCHS-OSUD-C1-3



MCHS-OSUD-H2-1



MCHS-OSUD-B2-1



MCHS-OU5D-B3-1



MCHS-OU5D-H3-1



MCHS-OUSD-D1-B-1



MCHS-OUSD-D1-B-2



MCHS-OSUD-D1-G-1



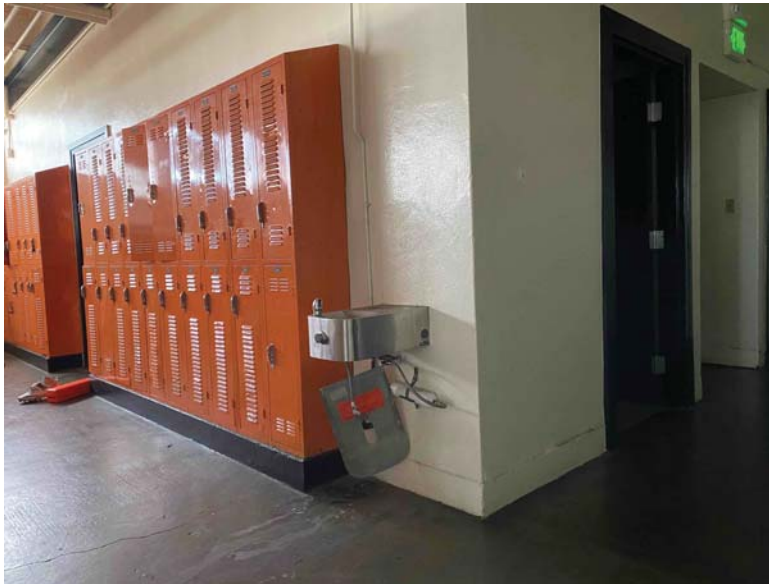
MCHS-OSUD-D1-G-2



MCHS-OU5D-E1-1



Drinking fountain was replaced with Flowater and is not connected in Wing D Boy's Hallway



Drinking fountain is broken in Boy's Locker Room of Wing D



MCHS-OUSD-FIELD-1



MCHS-OSUD-FIELD-2



MCHS-OSUD-FIELD-3



MCHS-OSUD-FIELD-4



MCHS-OSUD-OUT-1

Attachment 3

Lead Laboratory Report



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2309679

Report Created for: SCA Environmental, Inc.

320 Justin Drive
San Francisco, CA 94112

Project Contact: Tucker Kalman

Project P.O.:

Project: K-13912; OUSD McClymends HS Water Sampling

Project Received: 09/12/2023

Analytical Report reviewed & approved for release on 09/18/2023 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 a case narrative.





Glossary of Terms & Qualifier Definitions

Client: SCA Environmental, Inc.

WorkOrder: 2309679

Project: K-13912; OUSD McClymends HS Water Sampling

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
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
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	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
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: SCA Environmental, Inc.

WorkOrder: 2309679

Project: K-13912; OUSD McClymends HS Water Sampling

TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: SCA Environmental, Inc.

WorkOrder: 2309679

Date Received: 09/12/2023 14:30

Extraction Method: E200.8

Date Prepared: 09/13/2023

Analytical Method: E200.8

Project: K-13912; OUSD McClymends HS Water Sampling

Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-7	2309679-007A	Water	09/12/2023 07:06	ICP-MS3 027SMPL.D	277910

Analytes	Result	RL	DE	Date Analyzed
Lead	0.75	0.50	1	09/15/2023 11:30

Analyst(s): DB



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-1	2309679-001A	Water	09/12/2023 06:57	ICP-MS3 131SMPL.D	277921

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:01

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-2	2309679-002A	Water	09/12/2023 06:58	ICP-MS3 132SMPL.D	277921

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:05

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-3	2309679-003A	Water	09/12/2023 07:00	ICP-MS3 133SMPL.D	277921

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:09

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-4	2309679-004A	Water	09/12/2023 07:01	ICP-MS3 050SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 13:13

Analyst(s): WV

(Cont.)

CA ELAP 1644



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-5	2309679-005A	Water	09/12/2023 07:02	ICP-MS3 134SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:14

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A1-6	2309679-006A	Water	09/12/2023 07:04	ICP-MS3 135SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	26	0.50	1	09/13/2023 19:18

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-A2-1	2309679-008A	Water	09/12/2023 07:39	ICP-MS3 136SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	0.52	0.50	1	09/13/2023 19:22

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-B1-1	2309679-009A	Water	09/12/2023 07:17	ICP-MS3 137SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:26

Analyst(s): DB

(Cont.)

CA ELAP 1644



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-B2-1	2309679-010A	Water	09/12/2023 07:33	ICP-MS3 140SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 19:39

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-B3-1	2309679-011A	Water	09/12/2023 07:28	ICP-MS3 141SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	0.84	0.50	1	09/13/2023 19:44

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-C1-1	2309679-012A	Water	09/12/2023 07:48	ICP-MS3 142SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.5	0.50	1	09/13/2023 19:48

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-C1-2	2309679-013A	Water	09/12/2023 07:49	ICP-MS3 143SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.1	0.50	1	09/13/2023 19:52

Analyst(s): DB

(Cont.)



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-C1-3	2309679-014A	Water	09/12/2023 07:51	ICP-MS3 144SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.1	0.50	1	09/13/2023 19:56

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-D1-B-1	2309679-015A	Water	09/12/2023 07:58	ICP-MS3 145SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 20:01

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-D1-B-2	2309679-016A	Water	09/12/2023 07:59	ICP-MS3 146SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.3	0.50	1	09/13/2023 20:05

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-D1-G-1	2309679-017A	Water	09/12/2023 08:01	ICP-MS3 147SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 20:09

Analyst(s): DB

(Cont.)

CA ELAP 1644



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-D1-G-2	2309679-018A	Water	09/12/2023 08:02	ICP-MS3 148SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.7	0.50	1	09/13/2023 20:14

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-E1-1	2309679-019A	Water	09/12/2023 08:05	ICP-MS3 149SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.2	0.50	1	09/13/2023 20:18

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-H1-1	2309679-020A	Water	09/12/2023 07:23	ICP-MS3 152SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 20:31

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-H1-2	2309679-021A	Water	09/12/2023 07:20	ICP-MS3 153SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 20:35

Analyst(s): DB

(Cont.)

CA ELAP 1644



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-H1-16	2309679-022A	Water	09/12/2023 07:21	ICP-MS3 154SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	14	0.50	1	09/13/2023 20:40

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-H2-1	2309679-023A	Water	09/12/2023 07:31	ICP-MS3 155SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	1.0	0.50	1	09/13/2023 20:44

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-H3-1	2309679-024A	Water	09/12/2023 07:26	ICP-MS3 156SMPL.D	277923

Analytes	Result	RL	DF	Date Analyzed
Lead	0.81	0.50	1	09/13/2023 20:48

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-FIELD-1	2309679-025A	Water	09/12/2023 08:15	ICP-MS3 104SMPL.D	277970

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 17:05

Analyst(s): DB

(Cont.)

CA ELAP 1644



Analytical Report

Client: SCA Environmental, Inc.
Date Received: 09/12/2023 14:30
Date Prepared: 09/13/2023
Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679
Extraction Method: E200.8
Analytical Method: E200.8
Unit: µg/L

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-FIELD-2	2309679-026A	Water	09/12/2023 08:16	ICP-MS3 158SMPL.D	277970

Analytes	Result	RL	DF	Date Analyzed
Lead	ND	0.50	1	09/13/2023 20:57

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-FIELD-3	2309679-027A	Water	09/12/2023 08:18	ICP-MS3 159SMPL.D	277970

Analytes	Result	RL	DF	Date Analyzed
Lead	3.6	0.50	1	09/13/2023 21:01

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-FIELD-4	2309679-028A	Water	09/12/2023 08:19	ICP-MS3 160SMPL.D	277970

Analytes	Result	RL	DF	Date Analyzed
Lead	0.89	0.50	1	09/13/2023 21:06

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
MCHS-OUSD-OUT-1	2309679-029A	Water	09/12/2023 08:25	ICP-MS3 161SMPL.D	277970

Analytes	Result	RL	DF	Date Analyzed
Lead	1.4	0.50	1	09/13/2023 21:10

Analyst(s): DB



Quality Control Report

Client:	SCA Environmental, Inc.	WorkOrder:	2309679
Date Prepared:	09/13/2023	BatchID:	277910
Date Analyzed:	09/15/2023	Extraction Method:	E200.8
Instrument:	ICP-MS3	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	K-13912; OUSD McClymends HS Water Sampling	Sample ID:	MB/LCS/LCSD-277910

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.23	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	50	50	50	100	100	85-115	0.741	20



Quality Control Report

Client:	SCA Environmental, Inc.	WorkOrder:	2309679
Date Prepared:	09/13/2023	BatchID:	277921
Date Analyzed:	09/13/2023	Extraction Method:	E200.8
Instrument:	ICP-MS3	Analytical Method:	E200.8
Matrix:	Drinking Water	Unit:	µg/L
Project:	K-13912; OUSD McClymends HS Water Sampling	Sample ID:	MB/LCS/LCSD-277921

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.045	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	48	50	96	97	85-115	0.476	20



Quality Control Report

Client: SCA Environmental, Inc.

Date Prepared: 09/13/2023

Date Analyzed: 09/13/2023

Instrument: ICP-MS3

Matrix: Drinking Water

Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679

BatchID: 277923

Extraction Method: E200.8

Analytical Method: E200.8

Unit: µg/L

Sample ID: MB/LCS/LCSD-277923
2309679-004AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.045	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	49	50	97	97	85-115	0.247	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	49	50	ND	96	97	85-115	0.432	20



Quality Control Report

Client: SCA Environmental, Inc.

Date Prepared: 09/13/2023

Date Analyzed: 09/13/2023

Instrument: ICP-MS3

Matrix: Drinking Water

Project: K-13912; OUSD McClymends HS Water Sampling

WorkOrder: 2309679

BatchID: 277970

Extraction Method: E200.8

Analytical Method: E200.8

Unit: µg/L

Sample ID: MB/LCS/LCSD-277970
2309679-025AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL			
Lead	ND	0.045	0.50	-	-	-

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	50	49	50	100	99	85-115	1.49	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	48	50	ND	96	96	85-115	0.353	20



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

CHAIN-OF-CUSTODY RECORD

Page 1 of 2

WorkOrder: 2309679

ClientCode: SCAF

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

Report to:

Tucker Kalman

SCA Environmental, Inc.

320 Justin Drive

San Francisco, CA 94112

415-882-1675

FAX: (415) 703-0701

Email: tkalman@sca-enviro.com; labreports99@g

cc/3rd Party: shuang@sca-enviro.com; labreports99@g

PO:

Project: K-13912; OUSD McClymends HS Water
Sampling

Bill to:

Accounts Payable

SCA Environmental, Inc.

320 Justin Drive

San Francisco, CA 94112

labreports99@gmail.com

Requested TAT:

5 days;

Date Received:

09/12/2023

Date Logged:

09/12/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2309679-001	MCHS-OUUSD-A1-1	Water	9/12/2023 06:57	<input type="checkbox"/>		A	A									
2309679-002	MCHS-OUUSD-A1-2	Water	9/12/2023 06:58	<input type="checkbox"/>		A	A									
2309679-003	MCHS-OUUSD-A1-3	Water	9/12/2023 07:00	<input type="checkbox"/>		A	A									
2309679-004	MCHS-OUUSD-A1-4	Water	9/12/2023 07:01	<input type="checkbox"/>		A	A									
2309679-005	MCHS-OUUSD-A1-5	Water	9/12/2023 07:02	<input type="checkbox"/>		A	A									
2309679-006	MCHS-OUUSD-A1-6	Water	9/12/2023 07:04	<input type="checkbox"/>		A	A									
2309679-007	MCHS-OUUSD-A1-7	Water	9/12/2023 07:06	<input type="checkbox"/>	A	A	A									
2309679-008	MCHS-OUUSD-A2-1	Water	9/12/2023 07:39	<input type="checkbox"/>		A	A									
2309679-009	MCHS-OUUSD-B1-1	Water	9/12/2023 07:17	<input type="checkbox"/>		A	A									
2309679-010	MCHS-OUUSD-B2-1	Water	9/12/2023 07:33	<input type="checkbox"/>		A	A									
2309679-011	MCHS-OUUSD-B3-1	Water	9/12/2023 07:28	<input type="checkbox"/>		A	A									
2309679-012	MCHS-OUUSD-C1-1	Water	9/12/2023 07:48	<input type="checkbox"/>		A	A									
2309679-013	MCHS-OUUSD-C1-2	Water	9/12/2023 07:49	<input type="checkbox"/>		A	A									
2309679-014	MCHS-OUUSD-C1-3	Water	9/12/2023 07:51	<input type="checkbox"/>		A	A									
2309679-015	MCHS-OUUSD-D1-B-1	Water	9/12/2023 07:58	<input type="checkbox"/>		A	A									

Test Legend:

1	METALSMS_DIGEST_DW
5	
9	

2	METALSMS_DW
6	
10	

3	PRDisposal Fee
7	
11	

4	
8	
12	

Project Manager: Jennifer Lagerbom

Prepared by: Yvette Cisneros

Comments:

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



CHAIN-OF-CUSTODY RECORD

WorkOrder: 2309679

ClientCode: SCAF

☐ WaterTrax☐ CLIP☐ EDF☐ EQUIS☐ Dry-Weight☒ Email☐ HardCopy☐ ThirdParty☐ J-flag☐ Detection Summary☐ Excel

Report to:

Tucker Kalman

SCA Environmental, Inc.

320 Justin Drive

San Francisco, CA 94112

415-882-1675

FAX: (415) 703-0701

Email: tkalman@sca-enviro.com; labreports99@g

cc/3rd Party: shuang@sca-enviro.com; labreports99@g

PO:

Project: K-13912; OUSD McClymends HS Water

Sampling

Bill to:

Accounts Payable

SCA Environmental, Inc.

320 Justin Drive

San Francisco, CA 94112

labreports99@gmail.com

Requested TAT:

5 days;

Date Received:

09/12/2023

Date Logged:

09/12/2023

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2309679-016	MCHS-OUUSD-D1-B-2	Water	9/12/2023 07:59	<input type="checkbox"/>		A	A									
2309679-017	MCHS-OUUSD-D1-G-1	Water	9/12/2023 08:01	<input type="checkbox"/>		A	A									
2309679-018	MCHS-OUUSD-D1-G-2	Water	9/12/2023 08:02	<input type="checkbox"/>		A	A									
2309679-019	MCHS-OUUSD-E1-1	Water	9/12/2023 08:05	<input type="checkbox"/>		A	A									
2309679-020	MCHS-OUUSD-H1-1	Water	9/12/2023 07:23	<input type="checkbox"/>		A	A									
2309679-021	MCHS-OUUSD-H1-2	Water	9/12/2023 07:20	<input type="checkbox"/>		A	A									
2309679-022	MCHS-OUUSD-H1-16	Water	9/12/2023 07:21	<input type="checkbox"/>		A	A									
2309679-023	MCHS-OUUSD-H2-1	Water	9/12/2023 07:31	<input type="checkbox"/>		A	A									
2309679-024	MCHS-OUUSD-H3-1	Water	9/12/2023 07:26	<input type="checkbox"/>		A	A									
2309679-025	MCHS-OUUSD-FIELD-1	Water	9/12/2023 08:15	<input type="checkbox"/>		A	A									
2309679-026	MCHS-OUUSD-FIELD-2	Water	9/12/2023 08:16	<input type="checkbox"/>		A	A									
2309679-027	MCHS-OUUSD-FIELD-3	Water	9/12/2023 08:18	<input type="checkbox"/>		A	A									
2309679-028	MCHS-OUUSD-FIELD-4	Water	9/12/2023 08:19	<input type="checkbox"/>		A	A									
2309679-029	MCHS-OUUSD-OUT-1	Water	9/12/2023 08:25	<input type="checkbox"/>		A	A									

Test Legend:

1	METALSMS_DIGEST_DW
5	
9	

2	METALSMS_DW
6	
10	

3	PRDisposal Fee
7	
11	

4	
8	
12	

Project Manager: Jennifer Lagerbom

Prepared by: Yvette Cisneros

Comments:

NOTE: Soil samples are discarded 60 days after receipt 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: SCA ENVIRONMENTAL, INC.

Project: K-13912; OUSD McClymends HS Water Sampling

Work Order: 2309679

Client Contact: Tucker Kalman

QC Level: LEVEL 2

Contact's Email: tkalman@sca-enviro.com; labreports99@gmail.com

Comments:

Date Logged: 9/12/2023

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	MCHS-OUSD-A1-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 6:57	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
002A	MCHS-OUSD-A1-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 6:58	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
003A	MCHS-OUSD-A1-3	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:00	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
004A	MCHS-OUSD-A1-4	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:01	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
005A	MCHS-OUSD-A1-5	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:02	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
006A	MCHS-OUSD-A1-6	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:04	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
007A	MCHS-OUSD-A1-7	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:06	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
008A	MCHS-OUSD-A2-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:39	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
009A	MCHS-OUSD-B1-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:17	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
010A	MCHS-OUSD-B2-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:33	5 days	9/19/2023	None	<input type="checkbox"/>	<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).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- 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.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



WORK ORDER SUMMARY

Client Name: SCA ENVIRONMENTAL, INC.

Project: K-13912; OUSD McClymends HS Water Sampling

Work Order: 2309679

Client Contact: Tucker Kalman

QC Level: LEVEL 2

Contact's Email: tkalman@sca-enviro.com; labreports99@gmail.com

Comments:

Date Logged: 9/12/2023

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
011A	MCHS-OUSD-B3-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:28	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
012A	MCHS-OUSD-C1-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:48	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
013A	MCHS-OUSD-C1-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:49	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
014A	MCHS-OUSD-C1-3	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:51	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
015A	MCHS-OUSD-D1-B-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:58	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
016A	MCHS-OUSD-D1-B-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:59	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
017A	MCHS-OUSD-D1-G-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:01	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
018A	MCHS-OUSD-D1-G-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:02	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
019A	MCHS-OUSD-E1-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:05	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
020A	MCHS-OUSD-H1-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:23	5 days	9/19/2023	None	<input type="checkbox"/>	<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).

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U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



WORK ORDER SUMMARY

Client Name: SCA ENVIRONMENTAL, INC.

Project: K-13912; OUSD McClymends HS Water Sampling

Work Order: 2309679

Client Contact: Tucker Kalman

QC Level: LEVEL 2

Contact's Email: tkalman@sca-enviro.com; labreports99@gmail.com

Comments:

Date Logged: 9/12/2023

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
021A	MCHS-OUSD-H1-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:20	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
022A	MCHS-OUSD-H1-16	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:21	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
023A	MCHS-OUSD-H2-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:31	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
024A	MCHS-OUSD-H3-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 7:26	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
025A	MCHS-OUSD-FIELD-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:15	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
026A	MCHS-OUSD-FIELD-2	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:16	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
027A	MCHS-OUSD-FIELD-3	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:18	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
028A	MCHS-OUSD-FIELD-4	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:19	5 days	9/19/2023	None	<input type="checkbox"/>	<input type="checkbox"/>
029A	MCHS-OUSD-OUT-1	Water	E200.8 (Metals) <Lead>	1	250mL HDPE w/ HNO3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9/12/2023 8:25	5 days	9/19/2023	None	<input type="checkbox"/>	<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).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- 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.

U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.



McC Campbell Analytical, Inc.

1534 Willow Pass Rd. / Pittsburg, Ca. 94565-1701
www.mcccampbell.com / main@mcccampbell.com
Telephone: (877) 252-9262 / Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY ☐ 10 DAY ☐

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim # _____

Report To: Tucker Kalman

Bill To: SCA

Company: SCA

tkalman@scs-enviro.com

shuang@scs-enviro.com

labreports99@gmail.com

Tele: ()

Fax: ()

Project #: K-13912

Project Name: QUSD McClaymonds HS

Project Location: McClaymonds HS

Purchase Order#

Sampler Signature: [Signature]

Water Sampling

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX								METHOD PRESERVED		BTX & TPH as Gas (8021/8015 or 8260) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	ICP / MS for Lead
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea / Water	Soil	Air	Sludge	Other	HCL	HNO ₃	Other																
MCHS-QUSD-A1-1		9/12/23	6:57	1			X							X																	
-A1-2			6:58	1			X							X																	
-A1-3			7:00	1			X							X																	
-A1-4			7:01	1			X							X																	
-A1-5			7:02	1			X							X																	
-A1-6			7:04	1			X							X																	
-A1-7			7:06	1			X							X																	
-A2-1			7:39	1			X							X																	
-B1-1			7:17	1			X							X																	
-B2-1			7:33	1			X							X																	
-B3-1			7:28	1			X							X																	

**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.

Relinquished By: SH

Date: 9/12/23

Time: 11:00

Received By: Mceer

ICE/t° 1.5°C
GOOD CONDITION 1.5°C
HEAD SPACE ABSENT 1.5°C

COMMENTS:

Relinquished By: [Signature]

Date: 9/12/23

Time: 14:30

Received By: [Signature]

DECHLORINATED IN LAB 1.5°C
APPROPRIATE CONTAINERS 1.5°C
PRESERVED IN LAB 1.5°C

PCB
<25 PPM detection limit required.
Authorized to perform cleanup to meet the detection limit

Relinquished By:

Date:

Time:

Received By:

VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION pH<2



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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY ☐ 10 DAY ☐

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim # _____

Report To: _____ Bill To: _____

Company: SCA Environmental

E-Mail: _____

Tele: () _____

Fax: () _____

Project #: _____ Project Name: _____

Project Location: _____ Purchase Order# _____

Sampler Signature: _____

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX								METHOD PRESERVED			BTX & TPH as Gas (8021/8015 or 8260) / MTBE / BTEX ONLY (EPA 505/ 608 / 8081 (CI Pesticides)	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	ICP / MS for Lead			
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea / Water	Soil	Air	Sludge	Other	HCL	HNO ₃	Other																	
ANCHS-0USD-CH		9/12/23	7:48	1			X						X																			
-C1-2			7:49	1			X						X																			
C1-3			7:51	1			X						X																			
-D1-B-1			7:58	1			X						X																			
-D1-B-2			7:59	1			X						X																			
-D1-G-1			8:01	1			X						X																			
-D1-G-2			8:02	1			X						X																			
-E1-1			8:05	1			X						X																			
-H1-1			7:23	1			X						X																			
-H1-2			7:20	1			X						X																			
-H1-106			7:21	1			X						X																			

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Relinquished By: <u>SH</u>	Date: <u>9/12/23</u>	Time: <u>1130</u>	Received By: <u>Man</u>
Relinquished By: <u>Man</u>	Date: <u>9/12</u>	Time: <u>1430</u>	Received By: <u>Man</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: _____

ICE/t° 1.5°C
GOOD CONDITION 1.5°C
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB
COMMENTS: PCB <25 PPM detection limit required. Authorized to perform cleanup to meet the detection limit
VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION pH<2



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CHAIN OF CUSTODY RECORD

TURN AROUND TIME: RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY ☐ 10 DAY ☐

GeoTracker EDF ☐ PDF ☒ EDD ☐ Write On (DW) ☐ EQuIS ☐

Effluent Sample Requiring "J" flag ☐ UST Clean Up Fund Project ☐; Claim # _____

Report To: Bill To:

Company: SCPA Enviro

E-Mail:

Tele: () Fax: ()

Project #: Project Name:

Project Location: Purchase Order#

Sampler Signature:

Analysis Request

SAMPLE ID	Location/ Field Point Name	SAMPLING		# Containers	MATRIX								METHOD PRESERVED		BTX & TPH as Gas (8021/8015 or 8260) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	MTBE / BTEX ONLY (EPA 8260/ 8021)	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic CI Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Metals (200.7 / 200.8 / 6010 / 6020)	Filter sample for DISSOLVED metals analysis	ICP/MS for Lead		
		Date	Time		Ground Water	Waste Water	Drinking Water	Sea \ Water	Soil	Air	Sludge	Other	HCL	HNO ₃																		Other	
MAI-010SD-H2-1		9/12/23	7:31	1			X						X																				
-H3-1			7:26	1			X						X																				
-FIELD-1			8:15	1			X						X																				
-FIELD-2			8:16	1			X						X																				
-FIELD-3			8:18	1			X						X																				
-FIELD-4			8:19	1			X						X																				
-OUT-1			8:25	1			X						X																				

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Relinquished By: <u>SH</u>	Date: <u>9/12</u>	Time: <u>11:00</u>	Received By: <u>MAI</u>
Relinquished By: <u>MAI</u>	Date: <u>9/12</u>	Time: <u>14:30</u>	Received By: <u>Scott Ciesner</u>
Relinquished By:	Date:	Time:	Received By:

ICE/t° _____
GOOD CONDITION 1.5"
HEAD SPACE ABSENT _____
DECHLORINATED IN LAB _____
APPROPRIATE CONTAINERS _____
PRESERVED IN LAB _____
COMMENTS: PCB <25 PPM detection limit required. Authorized to perform cleanup to meet the detection limit
VOAS O&G METALS OTHER HAZARDOUS:
PRESERVATION _____ pH <2 _____



Sample Receipt Checklist

Client Name: SCA Environmental, Inc.
Project: K-13912; OUSD McClymends HS Water Sampling
WorkOrder №: 2309679 Matrix: Water
Carrier: Laurie Moore (MAI Courier)

Date and Time Received: 9/12/2023 14:30
Date Logged: 9/12/2023
Received by: Yvette Cisneros
Logged by: Yvette Cisneros

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"/>
Custody seals intact on sample bottles?	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: 1.5°C	NA <input type="checkbox"/>
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	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 checked="" type="checkbox"/> No <input type="checkbox"/>	NA <input type="checkbox"/>

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes <input type="checkbox"/> No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>

Comments: