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LEAD & COPPER RULE REPORT

Client Name: Corbett School District
35800 E. Historic Columbia River Hwy
Corbett, OR 97019

Reference Number: **21-16654**

Project: School Lead - High School Gym Area

System Name:
System ID Number:
DWP Source Number:
Multiple Sources:
Sample Type:
Sample Purpose: Investigative or Other
County:

Analyst: bj
Date Received: 5/10/2021
Report Date: 5/25/2021
Approved By: bj,bsp
Authorized by:

Thanh B Phan
Lab Manager, Portland

Lab Number	Date Collected	Site / Location	EPA #	Analyte Name	Result	Units	AL	RL	METHOD	Lab	Comments
21_31855	5/6/2021	21860105-001DW21A - HS Front Gym Drinking Fountain	1030	LEAD	3.2	ppb	15	1	200.8	4072	
21_31856	5/6/2021	21860105-002BF21A - HS Gym Girls Room Sink Left #1	1030	LEAD	6.4	ppb	15	1	200.8	4072	
21_31857	5/6/2021	21860105-003BF21A - HS Gym Girls Room Sink Right #2	1030	LEAD	7.3	ppb	15	1	200.8	4072	
21_31858	5/6/2021	21860105-004BF21A - HS Gym Boys Room Sink Right #1	1030	LEAD	2.5	ppb	15	1	200.8	4072	
21_31859	5/6/2021	21860105-005BF21A - HS Gym Boys Room Sink Left #2	1030	LEAD	3.7	ppb	15	1	200.8	4072	
21_31860	5/6/2021	21860105-006BF21A - HS Gym ADA Restroom Sink	1030	LEAD	ND	ppb	15	1	200.8	4072	
21_31861	5/6/2021	21860105-007SH21A - HS Gym ADA Restroom Shower	1030	LEAD	12.5	ppb	15	1	200.8	4072	
21_31862	5/6/2021	21860105-008SF21A - HS Front Gym Concession Sink	1030	LEAD	68.0	ppb	15	1	200.8	4072	
21_31863	5/6/2021	21860105-009CF21A - HS Gym Science Lab Sink	1030	LEAD	5.5	ppb	15	1	200.8	4072	
21_31864	5/6/2021	21860105-010DW21A - HS Gym Girls Drinking Fountain Upper	1030	LEAD	3.8	ppb	15	1	200.8	4072	
21_31865	5/6/2021	21860105-011WB21A - HS Gym Weight Room Water Bottle Filler	1030	LEAD	2.4	ppb	15	1	200.8	4072	
21_31866	5/6/2021	21860105-012DW21A - HS Gym Girls Locker Room Drinking Fountain	1030	LEAD	7.4	ppb	15	1	200.8	4072	
21_31867	5/6/2021	21860105-013SH21A - HS Gym Girls Locker Room Shower Head	1030	LEAD	777	ppb	15	1	200.8	4072	
21_31868	5/6/2021	21860105-014BF21A - HS Gym Girls Locker Room Left Sink 1	1030	LEAD	1.4	ppb	15	1	200.8	4072	

NOTES:

RL (Reporting Level): indicates the minimum reporting level.

AL Federal Action Levels are 0.015 mg/L (15 ppb) for Lead and 1.3 mg/L (1300 ppb) for Copper under the Lead and Copper Rule for public water systems. A blank MCL value indicates a level is not currently established.

ND (Not Detected): indicates that the compound was not detected above the Reporting Level (RL).

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples. If you have any questions concerning this report contact Thanh B Phan at the above phone number.

LEAD & COPPER RULE REPORT

Lab Number	Date Collected	Site / Location	EPA #	Analyte Name	Result	Units	AL	RL	METHOD	Lab	Comments
21_31869	5/6/2021	21860105-015BF21A - HS Gym Girls Locker Room Sink 2	1030	LEAD	8.6	ppb	15	1	200.8	4072	
21_31870	5/6/2021	21860105-016BF21A - HS Gym Girls Locker Room Sink 3	1030	LEAD	2.7	ppb	15	1	200.8	4072	
21_31871	5/6/2021	21860105-017BF21A - HS Gym Girls Locker Room Right Sink 4	1030	LEAD	12.0	ppb	15	1	200.8	4072	
21_31872	5/6/2021	21860105-018BF21A - HS Gym Girls Locker Room Coaches Sink	1030	LEAD	113	ppb	15	1	200.8	4072	
21_31873	5/6/2021	21860105-019SH21A - HS Gym Girls Locker Room Coaches Shower	1030	LEAD	6910	ppb	15	1	200.8	4072	
21_31874	5/6/2021	21860105-020IM21A - HS Gym Girls Locker Room Ice Machine	1030	LEAD	ND	ppb	15	1	200.8	4072	
21_31875	5/6/2021	21860105-021SH21A - HS Gym Boys Locker Room Shower Head	1030	LEAD	482	ppb	15	1	200.8	4072	
21_31876	5/6/2021	21860105-022BF21A - HS Gym Boys Locker Room Left Sink	1030	LEAD	5.5	ppb	15	1	200.8	4072	
21_31877	5/6/2021	21860105-023BF21A - HS Gym Boys Locker Room Right Sink	1030	LEAD	7.9	ppb	15	1	200.8	4072	
21_31878	5/6/2021	21860105-024DW21A - HS Gym Boys Locker Room Drinking Fountain	1030	LEAD	9.6	ppb	15	1	200.8	4072	
21_31879	5/6/2021	21860105-025OT21A - HS Gym Boys Locker Room Custodian Sink	1030	LEAD	7.3	ppb	15	1	200.8	4072	
21_31880	5/6/2021	21860105-026BF21A - HS Gym Boys Locker Room Coaches Sink	1030	LEAD	14.8	ppb	15	1	200.8	4072	
21_31881	5/6/2021	21860105-027SH21A - HS Gym Boys Locker Room Coaches Shower	1030	LEAD	43.6	ppb	15	1	200.8	4072	

NOTES:

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ND (Not Detected): indicates that the compound was not detected above the Reporting Level (RL).

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples.



SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Reference Number: **21-16654**

Report Date: 05/25/21

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits*	QC Qualifier	QC Type	Comment
Calibration Check										
200.8_210512B2	LEAD	0.00105	0.001	mg/L	200.8	105	80-120	CAL		
200.8_210513A	LEAD	0.00103	0.001	mg/L	200.8	103	80-120	CAL		
200.8_210520A	LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL		
200.8_210524A	LEAD	0.00096	0.001	mg/L	200.8	96	80-120	CAL		
Laboratory Fortified Blank										
200.8_210512B2	LEAD	0.0106	0.01	mg/L	200.8	106	85-115	LFB		
200.8_210513A	LEAD	0.0106	0.01	mg/L	200.8	106	85-115	LFB		
200.8_210520A	LEAD	0.0097	0.01	mg/L	200.8	97	85-115	LFB		
200.8_210524A	LEAD	0.0101	0.01	mg/L	200.8	101	85-115	LFB		
Laboratory Reagent Blank										
200.8_210512B2	LEAD	ND		mg/L	200.8		0-0	LRB		
200.8_210513A	LEAD	ND		mg/L	200.8		0-0	LRB		
200.8_210520A	LEAD	ND		mg/L	200.8		0-0	LRB		
200.8_210524A	LEAD	ND		mg/L	200.8		0-0	LRB		
Method Blank										
200.8_210512B2	LEAD	ND		mg/L	200.8		0-0	MB		
200.8_210513A	LEAD	ND		mg/L	200.8		0-0	MB		
200.8_210520A	LEAD	ND		mg/L	200.8		0-0	MB		
200.8_210524A	LEAD	ND		mg/L	200.8		0-0	MB		
Quality Control Sample										
200.8_210512B2	LEAD	0.0424	0.04	mg/L	200.8	106	90-110	QCS		
200.8_210513A	LEAD	0.0421	0.04	mg/L	200.8	105	90-110	QCS		
200.8_210520A	LEAD	0.0413	0.04	mg/L	200.8	103	90-110	QCS		
200.8_210524A	LEAD	0.0408	0.04	mg/L	200.8	102	90-110	QCS		

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QCIndependent4.rpt



**SAMPLE DEPENDENT
QUALITY CONTROL REPORT**
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Duplicate

Batch	Sample Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
200.8_210512B2									
7439-92-1	30295 LEAD	ND	ND	mg/L	NA	0-20		DUP	
7439-92-1	31483 LEAD	1.2	1.2	ppb	0.0	0-20		DUP	
7439-92-1	31493 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31503 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31513 LEAD	5.0	5.1	ppb	2.0	0-20		DUP	
7439-92-1	31523 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31533 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31826 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31836 LEAD	ND	ND	ppb	NA	0-20		DUP	
7439-92-1	31863 LEAD	5.5	5.5	ppb	0.0	0-20		DUP	
200.8_210513A									
7439-92-1	31876 LEAD	5.5	5.4	ppb	1.8	0-20		DUP	
7439-92-1	31938 LEAD	4.0	4.0	ppb	0.0	0-20		DUP	
7439-92-1	31948 LEAD	26.6	26.8	ppb	0.7	0-20		DUP	
7439-92-1	31958 LEAD	1	1	ppb	0.0	0-20		DUP	
7439-92-1	31968 LEAD	1.3	1.3	ppb	0.0	0-20		DUP	
7439-92-1	31978 LEAD	1.0	1.0	ppb	0.0	0-20		DUP	
200.8_210520A									
7439-92-1	33443 LEAD	0.0015	0.0015	mg/L	0.0	0-20		DUP	
7439-92-1	33488 LEAD	ND	ND	mg/L	NA	0-20		DUP	
200.8_210524A									
7439-92-1	32217 LEAD	0.0021	0.0021	mg/L	0.0	0-20		DUP	
7439-92-1	32442 LEAD	0.0016	0.0016	mg/L	0.0	0-20		DUP	
7439-92-1	32545 LEAD	0.000027	0.000011	mg/L	40.0	0-20	IEV	DUP	
7439-92-1	32821 LEAD	ND	ND	mg/L	NA	0-20		DUP	
7439-92-1	34920 LEAD	ND	ND	mg/L	NA	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Limits are intended for water matrices only. These criteria are for guidance only when reported with soils/solids.

FORM: QC Dependent.rpt



Laboratory Fortified Matrix (MS)

Batch/CAS	Sample Analyte	Result	Spike Result	Duplicate Spike Result	Conc	Units	Percent Recovery		Limits*	%RPD	Limits*	Qualifier	Type	Comments
							MS	MSD						
200.8_210512B2														
7439-92-1	30295 LEAD	ND	0.0092		0.010	mg/L	92		70-130	NA	0-20		LFM	
7439-92-1	31483 LEAD	1.2	10.6		10.0	ppb	94		70-130	NA	0-20		LFM	
7439-92-1	31493 LEAD	ND	10.0		10.0	ppb	100		70-130	NA	0-20		LFM	
7439-92-1	31503 LEAD	ND	10.2		10.0	ppb	102		70-130	NA	0-20		LFM	
7439-92-1	31513 LEAD	5.0	15.0		10.0	ppb	100		70-130	NA	0-20		LFM	
7439-92-1	31523 LEAD	ND	10.8		10.0	ppb	108		70-130	NA	0-20		LFM	
7439-92-1	31533 LEAD	ND	11.1		10.0	ppb	111		70-130	NA	0-20		LFM	
7439-92-1	31826 LEAD	ND	10.7		10.0	ppb	107		70-130	NA	0-20		LFM	
7439-92-1	31836 LEAD	ND	11.2		10.0	ppb	112		70-130	NA	0-20		LFM	
7439-92-1	31863 LEAD	5.5	16.0		10.0	ppb	105		70-130	NA	0-20		LFM	
200.8_210513A														
7439-92-1	31876 LEAD	5.5	15.9		10.0	ppb	104		70-130	NA	0-20		LFM	
7439-92-1	31938 LEAD	4.0	14.6		10.0	ppb	106		70-130	NA	0-20		LFM	
7439-92-1	31948 LEAD	26.6	36.7		10.0	ppb	101		70-130	NA	0-20		LFM	
7439-92-1	31958 LEAD	1	11.5		10.0	ppb	105		70-130	NA	0-20		LFM	
7439-92-1	31968 LEAD	1.3	11.9		10.0	ppb	106		70-130	NA	0-20		LFM	
7439-92-1	31978 LEAD	1.0	11.5		10.0	ppb	105		70-130	NA	0-20		LFM	
200.8_210520A														
7439-92-1	33443 LEAD	0.0015	0.0107		0.010	mg/L	92		70-130	NA	0-20		LFM	
7439-92-1	33488 LEAD	ND	0.0095		0.010	mg/L	95		70-130	NA	0-20		LFM	
200.8_210524A														
7439-92-1	32217 LEAD	0.0021	0.0115		0.010	mg/L	94		70-130	NA	0-20		LFM	
7439-92-1	32442 LEAD	0.0016	0.0111		0.010	mg/L	95		70-130	NA	0-20		LFM	
7439-92-1	32821 LEAD	ND	0.0095		0.010	mg/L	95		70-130	NA	0-20		LFM	
7439-92-1	34920 LEAD	ND	0.0096		0.010	mg/L	96		70-130	NA	0-20		LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of an analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

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FORM: QC Dependent.rpt

Qualifier Definitions

Reference Number: 21-16654
Report Date: 05/25/21

Qualifier	Definition
IEV	Acceptance criteria do not apply to estimated values
IM	Matrix induced bias assumed
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.