



BRACEWELL ENGINEERING, INC.

155 MAST STREET, UNIT 114, MORGAN HILL, CA 95037

(669) 258-5820 FAX (408) 498-7045

www.bracewellengineering.com

April 10, 2022

Mr. Eric Lacy
State Water Resources Control Board-Division of Drinking Water
850 Marina Bay Parkway, Building P, 2nd Floor
Richmond, CA 94804

Re: March 2022 Monthly Report to the Office of Drinking Water
La Honda Water System (County Service Area No. 7), No. W4100509

Dear Mr. Lacy:

Attached are the monitoring report, the Coliform Reporting Form, and the Monthly Summary of Monitoring for Surface Water Treatment Regulations for the La Honda Water System. The monthly distribution system treated water bacteriological sample showed an absence of total coliforms and E. coli.

The February treated water iron and aluminum lab reports are also attached and were both non-detect.

Disinfection Byproducts

The quarterly disinfection byproducts monitoring was completed and the TTHM running annual average of 57.5 ug/L was in compliance with its MCL of 80 ug/L and the HAA5 running annual average of 34 ug/L was in compliance with its MCL of 60 ug/L.

Chlorine residuals were maintained as required. Turbidity levels did not exceed 0.3 NTU when treating water for domestic use. The minimum disinfection CT ratio was 1.6 for a DDW required 1-log removal for Giardia.

Please do not hesitate to contact me if you have any questions.

Respectfully submitted,
BRACEWELL ENGINEERING, INC.

Lloyd W. Bracewell, PhD., RCE
Water System Engineer

cc: San Mateo County, CSA #7
BEI Office

WATER SYSTEM MONITORING REPORT

La Honda Water System (CSA No. 7)
 555 County Center, 5th Floor
 Redwood City, CA 94063
 System No. 4100509

Water Resources Control Board
 Division of Drinking Water
 850 Marina Bay Parkway, Bldg P
 Richmond, CA 98804

Station: Test: Units: Type: Frequency: Date	Finish Wtr FLOW gal/day calculated daily	Finish Wtr TEMP deg C grab weekly	Finish Wtr PH std units grab weekly	Finish Wtr CL2 RESID mg/L continuous daily	ContctPipe CT VALUE min-mg/L calculated daily	Finish Wtr CT REQUIRD min-mg/L calculated daily	ContctPipe CT RATIO ratio calculated daily	Finish Wtr TURBIDITY NTU continuous daily	Raw Water TURBIDITY NTU continuous daily	Finish Wtr TRB/PH/CL2 initials calib check weekly
03/01/22	38250	13.5	7.48	1.70	47.88	19.0	2.5	0.04	0.86	
03/02/22	0									
03/03/22	0									
03/04/22	0									
03/05/22	0									
03/06/22	0									
03/07/22	32300	11.2	8.31	1.89	53.23	30.1	1.8	0.04	1.48	KB
03/08/22	32300	11.2	8.28	1.70	47.88	29.4	1.6	0.04	1.04	
03/09/22	32300	11.2	7.59	1.82	51.26	23.5	2.2	0.04	0.86	
03/10/22	32300	11.2	7.46	2.00	56.33	22.7	2.5	0.04	0.93	
03/11/22	32300	11.2	7.45	2.02	56.90	22.7	2.5	0.04	0.74	
03/12/22	0									
03/13/22	0									
03/14/22	34950	13.3	7.73	1.86	52.39	21.4	2.4	0.04	0.75	KB
03/15/22	34950	13.3	7.71	1.45	40.84	20.5	2.0	0.04	0.96	
03/16/22	0									
03/17/22	0									
03/18/22	0									
03/19/22	0									
03/20/22	0									
03/21/22	36000	13.8	7.69	1.27	35.77	19.2	1.9	0.04	0.92	KB
03/22/22	36000	13.8	7.70	1.67	47.04	20.1	2.3	0.04	0.75	
03/23/22	39000	13.8	7.79	1.81	50.98	21.0	2.4	0.04	0.46	
03/24/22	39000	13.8	7.80	2.00	56.33	21.4	2.6	0.04		
03/25/22	0									
03/26/22	0									
03/27/22	0									
03/28/22	0									
03/29/22	0									
03/30/22	0									
03/31/22	0									
Average:	13537	12.6	7.75	1.77	49.74	22.6	2.2	0.04	0.89	
High:	39000	13.8	8.31	2.02	56.90	30.1	2.6	0.04	1.48	
Low:	0	11.2	7.45	1.27	35.77	19.0	1.6	0.04	0.46	
Total:	419650									
Method:		SM2550B	SM4500-H+ B	SM4500-C1 G				SM2130B	SM2130B	
Limit1:				mn d >= 0.20			mn d >= 1.0	mx d <= 0.3		
Over/Total:				0/12			0/12	0/12		

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Water Resources Control Board
 Division of Drinking Water
 850 Marina Bay Parkway, Bldg P
 Richmond, CA 98804

Station:	Raw Water	Raw Water	Raw Water	APN 240070	APN 240070	APN 240070	APN 240070	01dC12Sta	01dC12Sta	01dC12Sta	01dC12Sta
Test:	SAMPL TYPE	COLIFORM	E. COLI	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID
Units:	TYPE	MPN/100mL	MPN/100mL	TYPE	pres./abs.	pres./abs.	mg/L	TYPE	pres./abs.	pres./abs.	mg/L
Type:	observation	grab	grab	observation	grab	grab	grab	observation	grab	grab	grab
Frequency:	as needed	monthly	monthly	Mar/May/Oct	Mar/May/Oct	Mar/May/Oct	Mar/May/Oct	Apr/Jun/Nov	Apr/Jun/Nov	Apr/Jun/Nov	Apr/Jun/Nov
Date											
03/01/22	Other	41.4	4.1	Routine	Absence	Absence	0.21	due 04/22	due 04/22	due 04/22	due 04/22
03/02/22											
03/03/22											
03/04/22											
03/05/22											
03/06/22											
03/07/22											
03/08/22											
03/09/22											
03/10/22											
03/11/22											
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03/25/22											
03/26/22											
03/27/22											
03/28/22											
03/29/22											
03/30/22											
03/31/22											
Average:		41.4	4.1		0	0	0.21				
High:		41.4	4.1		0	0	0.21				
Low:		41.4	4.1		0	0	0.21				
DL/RL:		1.0/1.0	1.0/1.0								
Method:		SM9223 B-18	SM9223 B-18		SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1:					mx d < 1	mx d < 1	mn d >= 0.05		mx d < 1	mx d < 1	mn d >= 0.05
Over/Total:					0/1	0/1	0/1		0/0	0/0	0/0

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 Richmond, CA 98804

Station:	251 PescCr	251 PescCr	251 PescCr	251 PescCr	460 Pescdr	460 Pescdr	460 Pescdr	460 Pescdr	Raw Water	TreatedWtr
Test:	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID	ALUMINUM	ALUMINUM
Units:	TYPE	pres./abs.	pres./abs.	mg/L	TYPE	pres./abs.	pres./abs.	mg/L	ug/L	ug/L
Type:	observation	grab	grab	grab	observation	grab	grab	grab	grab	grab
Frequency:	Jul/Dec	Jul/Dec	Jul/Dec	Jul/Dec	Jan/Aug	Jan/Aug	Jan/Aug	Jan/Aug	every 12 mo	every 3 mo
Date										
03/01/22	due 07/22	due 07/22	due 07/22	due 07/22	due 08/22	due 08/22	due 08/22	due 08/22	due 07/22	due 05/22
03/02/22										
03/03/22										
03/04/22										
03/05/22										
03/06/22										
03/07/22										
03/08/22										
03/09/22										
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03/25/22										
03/26/22										
03/27/22										
03/28/22										
03/29/22										
03/30/22										
03/31/22										
Average:										
High:										
Low:										
DL/RL:									10/5	10/5
Method:	SM9223B-18	SM9223B-18	SM4500-C1 G		SM9223B-18	SM9223B-18	SM4500-C1 G	EPA 200.8	EPA 200.8	
Limit1:		mx d < 1	mx d < 1	mn d >= 0.05		mx d < 1	mx d < 1	mn d >= 0.05		
Over/Total:		0/0	0/0	0/0		0/0	0/0	0/0		

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Station:	400 Ranch	400 Ranch	400 Ranch	400 Ranch	LaHondaRd	LaHondaRd	LaHondaRd	LaHondaRd
Test:	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID	SAMPL TYPE	COLIFORM	E. COLI	CL2 RESID
Units:	TYPE	pres./abs.	pres./abs.	mg/L	TYPE	pres./abs.	pres./abs.	mg/L
Type:	observation	grab	grab	grab	observation	grab	grab	grab
Frequency:	Feb/Sep	Feb/Sep	Feb/Sep	Feb/Sep	as needed	as needed	as needed	as needed
Date								
03/01/22	due 09/22	due 09/22	due 09/22	due 09/22				
03/02/22								
03/03/22								
03/04/22								
03/05/22								
03/06/22								
03/07/22								
03/08/22								
03/09/22								
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03/29/22								
03/30/22								
03/31/22								

Average:
 High:
 Low:

Method:	SM9223B-18	SM9223B-18	SM4500-C1 G	SM9223B-18	SM9223B-18	SM4500-C1 G
Limit1:	mx d < 1	mx d < 1	mn d >= 0.05	mx d < 1	mx d < 1	mn d >= 0.05
Over/Total:	0/0	0/0	0/0	0/0	0/0	0/0

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Station:	LHW OPERATOR	LHW ACTIONS	Raw Water PH	Raw Water ALKALINITY	Raw Water IRON	TreatedWtr IRON	Raw Water NITRATE-N
Test:	units	comments	std units	mg/L-CaCO3	ug/L	ug/L	mg/L
Units:	observation	observation	grab	grab	grab	grab	grab
Type:	as needed	as needed	weekly	as needed	every 3 mo	every 3 mo	every 3 mo
Frequency:							
Date							
03/01/22					due 05/22	due 05/22	due 04/22
03/02/22	KB		8.29				
03/03/22							
03/04/22							
03/05/22							
03/06/22							
03/07/22							
03/08/22	KB		8.45				
03/09/22							
03/10/22							
03/11/22							
03/12/22							
03/13/22							
03/14/22	KB		8.28				
03/15/22							
03/16/22							
03/17/22							
03/18/22							
03/19/22							
03/20/22							
03/21/22							
03/22/22							
03/23/22	KB		8.27				
03/24/22							
03/25/22							
03/26/22							
03/27/22							
03/28/22							
03/29/22							
03/30/22	KB						
03/31/22							
Average:			8.32				
High:			8.45				
Low:			8.27				
DL/RL:				3/2	20/20	20/10	0.030/0.40
Method:			SM4500-H+ B	SM2320 B	EPA 200.8	EPA 200.8	SM4500-N03 D
Limit1:							mx d <= 10
Over/Total:							0/0

Monthly Summary of Monitoring
For Surface Water Treatment Regulations

System Name: La Honda Water System (CSA #7)

System Number: 4100509

Treatment Plant Name: La Honda Water System (CSA #7)

Month: March Year: 2022

Treated Water Turbidities Every Four Hours (NTU)*

Date	Peak Raw Water Turbidity	Peak Settled Water Turbidity	Midnight to 0400	0400 to 0800	0800 to Noon	Noon to 1600	1600 to 2000	2000 to Midnight	Average Treated Water	Minimum Ct. Ratio
1	0.86		0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.5
2										
3										
4										
5										
6										
7	1.48					0.04	0.04	0.04	0.04	1.8
8	1.04		0.04	0.03	0.04	0.03	0.04	0.03	0.04	1.6
9	0.86		0.04	0.04	0.04	0.03			0.04	2.2
10	0.93					0.04	0.03	0.04	0.04	2.5
11	0.74		0.04	0.04					0.04	2.5
12										
13										
14	0.75					0.04	0.04	0.04	0.04	2.4
15	0.96		0.04	0.04	0.04	0.03	0.03		0.04	2.0
16										
17										
18										
19										
20										
21	0.92					0.04	0.03		0.04	1.9
22	0.75					0.04	0.03	0.03	0.03	2.3
23	0.46		0.04	0.03	0.04	0.04	0.03	0.03	0.04	2.4
24	0.68		0.04	0.03	0.03	0.04	0.03		0.03	2.6
25										
26										
27										
28										
29										
30										
31										
Ave.	0.87								0.04	

*If a continuous monitoring turbidimeter is used, determine discrete turbidity value for the same times during each 24-hour period

Total No. of Samples: 48 No. of Readings ≤ 0.3 NTU: 48

% Readings ≤ 0.3 NTU = [(No. Readings ≤ 0.3 NTU) / (Total No. Samples)] x 100 = 100%

Meets Standard (i.e. more than 95% of readings are ≤ 0.3 NTU) (Y/N)? Y

Percent reduction during the month = $\frac{[(\text{Average Raw NTU} - \text{Average Effluent NTU})]}{(\text{Average Raw NTU})} \times 100 =$ 96%

Meets Standard (i.e. reduction is greater than 80%) (Y/N)? Y

95th Percentile Value of all turbidity readings (95% of all turbidity readings are less than this value): 0.040

Incidents of turbidity greater than 1.0 NTU

Date of Incident				
Value				
Duration				

Total Number of incidents where turbidity is > 1.0 NTU: _____ 0
 Total Number of incidents where turbidity is > 5.0 NTU: _____ 0
 Meets Standards (i.e. NTU is not > 1.0 for more than eight consecutive hours) (Y/N)? _____ Y

After placing a filter back into service after any interruption (e.g. backwashing), did the filter effluent comply with the following criteria:

a. < 2.0 NTU after all events (Y/N)? _____ Y
 b. < 1.0 NTU after 90% of events (Y/N)? _____ Y
 c. < 0.5 NTU after 4 hours (Y/N)? _____ Y

Indicate the date that the turbidimeters that are used for regulatory monitoring purposes were calibrated

Date	Which Turbidimeter	Standard used (primary/secondary)	Date	Which Turbidimeter	Standard Used (primary/secondary)
7/15/2019	Hach, raw wtr	0/20 Formazin	7/15/2019	Hach, treated	0/20 Formazin
10/17/2019	Hach, raw wtr	0/20 Formazin	10/17/2019	Hach, treated	0/20 Formazin
4/3/2020	Hach, raw wtr	0/20 Formazin	4/3/2020	Hach, treated	0/20 Formazin
7/2/2020	Hach, raw wtr	0/20 Formazin	7/2/2020	Hach, treated	0/20 Formazin
10/28/2020	Hach, raw wtr	0/20 Formazin	10/28/2020	Hach, treated	0/20 Formazin
1/29/2021	Hach, raw wtr	0/20 Formazin	1/29/2021	Hach, treated	0/20 Formazin
4/22/2021	Hach, raw wtr	0/20 Formazin	4/22/2021	Hach, treated	0/20 Formazin
7/28/2021	Hach, raw wtr	0/20 Formazin	7/28/2021	Hach, treated	0/20 Formazin
10/27/2021	Hach, raw wtr	0/20 Formazin	10/27/2021	Hach, treated	0/20 Formazin
1/28/2022	Hach, raw wtr	0/20 Formazin	1/28/2022	Hach, treated	0/20 Formazin

Disinfection Process Data

Disinfectant residual type: free chlorine: X combined chlorine: _____ other (specify) _____

Incidents of chlorine residuals less than 0.2 ppm at the plant effluent:

Date of Incident				
Duration				
Date Dept. Notified				

Total number of incidents where residual is < 0.2 ppm: _____ 0
 Meets standard (i.e. not less than 0.2 ppm for more than four hours) (Y/N)? _____ Y

No. of distribution system residual samples collected:	1
No of distribution system samples for HPC only:	
Total No. residual and/or HPC samples collected:	1
No. of samples with no detectable residual and HPC is not measured:	0
No. of samples with no residual and HPC > 500 CFU/ml:	
No. of samples for HPC only and HPC > 500 CFU/ml:	
Total No. Samples with no residual and/or HPC > 500 CFU/ml:	0

Compute V where $V = [1 - (\text{Total number of samples with no residual and/or HPC} > 500) / (\text{Total number of residual and/or HPC samples collected})] \times 100 =$ _____ 100%

Meets Standard (i.e V > 95%) (Y/N) _____ Y

**Quarterly Report for Disinfectant Residuals Compliance
For Systems Using Chlorine or Chloramines**

System Name: La Honda Water System (CSA #7) System No.: 4100509

Calendar Year: 2022 Quarter: 1

1st Quarter			
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)	
7/12/2010	April	1.94	
	May	1.08	
	June	0.81	
	July	0.56	
	August	1.00	
	September	1.45	
	October	1.09	
	November	1.30	
	December	2.19	
	Current Year	January	7
		February	1
		March	1
Running Annual Average (RAA):		1.07	
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		Yes	

2nd Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Previous Year	July	0.56
	August	1.00
	September	1.45
	October	1.09
	November	1.30
	December	2.19
Current Year	January	1.01
	February	0.21
	March	0.21
	April	
	May	
	June	
Running Annual Average (RAA):		
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		

3rd Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Previous Yr	October	1.09
	November	1.30
	December	2.19
Current Year	January	1.01
	February	0.21
	March	0.21
	April	
	May	
	June	
	July	
	August	
	September	
Running Annual Average (RAA):		
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		

4th Quarter		
Month	Number of Samples Taken	Monthly Ave. Chlorine Level (mg/L)
Current Year	January	1.01
	February	0.21
	March	0.21
	April	
	May	
	June	
	July	
	August	
	September	
	October	
	November	
	December	
Running Annual Average (RAA):		
Meets standard? (i.e. RAA ≤ MRDL of 4.0 mg/L as Cl ₂)		

Comments:

Signature: 

Date: 4/10/2022

Quarterly TTHM Report for Disinfection Byproducts Compliance (in µg/L or ppb)

System Name: La Honda Water System (CSA #7) System No.: 4100509 Year: 2022 Quarter: 1

Year:	2018				2019				2020				2021				2022			
Quarter:	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Sample Date (month/date):	3/26	6/13	9/12	12/19	3/5	6/19	9/11	12/17	3/10	6/9	9/8	12/1	3/1	6/14	9/8	12/7	3/1			
Site 1	123.4	96.1	56.8	135.1	79.5	62.5	115.2	104.6	61.2	40.0	39.0	67.0	38.0	71.0	53.0	75.1	31.0			
Quarterly Average	123.4	96.1	56.8	135.1	79.5	62.5	115.2	104.6	61.2	40.0	39.0	67.0	38.0	71.0	53.0	75.1	31.0			
Running Annual Average	77.7	79.8	90.2	102.8	91.8	83.5	98.1	90.5	85.9	80.3	61.2	51.8	46.0	53.8	57.3	59.3	57.5			
Meets Standard (80 ug/L)?*	Yes	Yes	No	Yes																
Number of Samples Taken	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Identify the sample locations in the table below.

Site	Sample Location
1	Old Chlorination Station
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	


 Signature _____ Date 4/10/2022

*If, during the first year of monitoring, any individual quarter's average will cause the running annual average of that system to exceed the standard, then the system is out of compliance at the end of that quarter.

Quarterly HAA5 Report for Disinfection Byproducts Compliance (in µg/L or ppb)

System Name: La Honda Water System System No.: 4100509 Year: 2022 Quarter: 1

Year:	2018				2019				2020				2021				2022			
Quarter:	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.	1st Qtr.	2nd Qtr.	3rd Qtr.	4th Qtr.
Sample Date (month/date):	3/26	6/13	9/12	12/19	3/5	6/19	9/11	12/17	3/10	6/9	9/8	12/1	3/1	6/14	9/8	12/7	3/1			
Site 1	45.6	61.2	24.6	45.9	46.0	44.3	64.0	83.5	101.6	69.0	29.0	32.0	25.0	55.0	19.0	40.0	22.0			
Site 1 Sample																				
Site 3																				
Site 4																				
Site 5																				
Site 6																				
Site 7																				
Site 8																				
Site 9																				
Site 10																				
Site 11																				
Site 12																				
Quarterly Average	45.6	61.2	24.6	45.9	46.0	44.3	64.0	83.5	101.6	69.0	29.0	32.0	25.0	55.0	19.0	40.0	22.0			
Running Annual Average	41.5	42.1	53.0	44.3	44.4	40.2	50.1	59.5	73.4	79.5	70.8	57.9	38.8	35.3	32.8	34.8	34.0			
Meets Standard (60 µg/L)?*	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes										
Number of Samples Taken	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			

Identify the sample locations in the table below.

Site	Sample Location
1	Old Chlorination Station
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

Logan W. Baccard
Signature

4/10/2022
Date

*If, during the first year of monitoring, any individual quarter's average will cause the running annual average of that system to exceed the standard, then the system is out of compliance at the end of that quarter.



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Thursday, March 24, 2022

Sample Results

Lab Number: 220224_50-01 Sample Description: LHW, Raw Water

Collection Date/Time: 2/18/2022 14:00 Sample Collector: KB Client Sample #: LHW.2202.RW_002
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_001_001

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Iron, Total	EPA200.7	µg/L	207	1		30	300	3/1/2022 18:33	OW

Lab Number: 220224_50-02 Sample Description: LHW, 13366 Pesc

Collection Date/Time: 2/17/2022 10:00 Sample Collector: KB Client Sample #: LHW.2202.S01.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.10	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	6.8	1		2	1300	3/9/2022 14:59	MW
Lead, Total	EPA200.8	µg/L	3.6	1		1	15	3/9/2022 14:59	MW

Lab Number: 220224_50-03 Sample Description: LHW, 13770 Pesc

Collection Date/Time: 2/17/2022 13:00 Sample Collector: KB Client Sample #: LHW.2202.S02.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.70	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	374	1		2	1300	3/24/2022 10:32	MW
Lead, Total	EPA200.8	µg/L	1.6	1		1	15	3/9/2022 15:10	MW

Lab Number: 220224_50-04 Sample Description: LHW, 11001 Alpine

Collection Date/Time: 2/18/2022 13:00 Sample Collector: KB Client Sample #: LHW.2202.S03.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.50	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	30.5	1		2	1300	3/9/2022 15:12	MW
Lead, Total	EPA200.8	µg/L	1.9	1		1	15	3/9/2022 15:12	MW



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Thursday, March 24, 2022

Lab Number: 220224_50-05 Sample Description: LHW, 11031 Alpine

Collection Date/Time: 2/18/2022 13:00 Sample Collector: KB Client Sample #: LHW.2202.S04.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.35	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	249	1		2	1300	3/24/2022 10:35	MW
Lead, Total	EPA200.8	µg/L	39.2	1		1	15	3/9/2022 15:14	MW

Lab Number: 220224_50-06 Sample Description: LHW, 10985 Alpine

Collection Date/Time: 2/17/2022 3:50 Sample Collector: KB Client Sample #: LHW.2202.S05.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.15	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	79.4	1		2	1300	3/9/2022 15:16	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:16	MW

Lab Number: 220224_50-07 Sample Description: LHW, 7 Pope

Collection Date/Time: 2/17/2022 7:00 Sample Collector: KB Client Sample #: LHW.2202.S06.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.10	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	384	1		2	1300	3/24/2022 10:37	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:18	MW

Lab Number: 220224_50-08 Sample Description: LHW, 68 Pope

Collection Date/Time: 2/16/2022 6:18 Sample Collector: KB Client Sample #: LHW.2202.S07.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.25	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	314	1		2	1300	3/24/2022 10:39	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:21	MW

Abbreviations/Definitions:
 mg/L: Milligrams per liter (=ppm)
 MDL: Method Detection Limit
 E: Analysis performed by External Laboratory; see Report attachments
 J: Result is < PQL but ≥ MDL; the concentration is an approximate value.

µg/L: Micrograms per liter (=ppb)
 PQL: Practical Quantitation Limit
 MCL: Maximum Contamination Level
 H: Analyzed outside of method hold time

MPN: Most Probable Number
 ND: Not Detected at the PQL (or MDL, if shown)
 QC: Quality Control



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Thursday, March 24, 2022

Lab Number: 220224_50-09 Sample Description: LHW, 7940 La Honda

Collection Date/Time: 2/17/2022 6:00 Sample Collector: KB Client Sample #: LHW.2202.S08.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.10	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	285	1		2	1300	3/24/2022 10:41	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:23	MW

Lab Number: 220224_50-10 Sample Description: LHW, 86 Memory

Collection Date/Time: 2/18/2022 7:15 Sample Collector: KB Client Sample #: LHW.2202.S09.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.10	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	167	1		2	1300	3/9/2022 15:25	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:25	MW

Lab Number: 220224_50-11 Sample Description: LHW, 84 Memory

Collection Date/Time: 2/16/2022 6:00 Sample Collector: KB Client Sample #: LHW.2202.S10.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.15	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	76.9	1		2	1300	3/9/2022 15:27	MW
Lead, Total	EPA200.8	µg/L	ND	1		1	15	3/9/2022 15:27	MW

Lab Number: 220224_50-12 Sample Description: LHW, 19 Memory

Collection Date/Time: 2/17/2022 8:15 Sample Collector: KB Client Sample #: LHW.2202.S11.001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_DST_LCR

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Turbidity Screen Pb/Cu Rule	EPA180.1	NTU	0.20	1		0.1		2/25/2022 14:00	BM
Copper, Total	EPA200.8	µg/L	335	1		2	1300	3/24/2022 10:44	MW
Lead, Total	EPA200.8	µg/L	2.4	1		1	15	3/9/2022 15:29	MW

Abbreviations/Definitions:
 mg/L: Milligrams per liter (=ppm)
 MDL: Method Detection Limit
 E: Analysis performed by External Laboratory; see Report attachments
 J: Result is < PQL but ≥ MDL; the concentration is an approximate value.

µg/L: Micrograms per liter (=ppb)
 MCL: Maximum Contamination Level
 H: Analyzed outside of method hold time

MPN: Most Probable Number

ND: Not Detected at the PQL (or MDL, if shown)

QC: Quality Control



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Thursday, March 24, 2022

Lab Number: 220224_50-13 Sample Description: LHW, TreatedWtr

Collection Date/Time: 2/18/2022 14:00 Sample Collector: KB Client Sample #: LHW.2202.TW_001
 Received Date/Time: 2/24/2022 14:37 System ID: CA4100509_002_002

Analyte	Method	Unit	Result	Dilution	Qualifier	PQL	MCL	Analysis Date / Time	Analyst
Iron, Total	EPA200.7	µg/L	ND	1		30	300	3/2/2022 11:33	OW
Aluminum, Total	EPA200.8	µg/L	ND	1		15	1000	3/15/2022 15:28	MW

Abbreviations/Definitions:
 mg/L: Milligrams per liter (=ppm)
 MDL: Method Detection Limit
 E: Analysis performed by External Laboratory; see Report attachments
 J: Result is < PQL but ≥ MDL; the concentration is an approximate value.

µg/L: Micrograms per liter (=ppb)
 MCL: Maximum Contamination Level
 H: Analyzed outside of method hold time

MPN: Most Probable Number
 ND: Not Detected at the PQL (or MDL, if shown)
 QC: Quality Control