



9399 West Higgins Road Suite 1100  
Rosemont, IL 60018

Phone: 847 430 1219  
Fax: 847 430 2219

## IBWA STANDARD OF QUALITY REPORT

Customer Name: Central Valley Culligan  
Customer Address: 2479 South Orange Avenue  
Fresno, CA 93725

Page 1 of 11

Sample Date: 3/14/2022  
Sample Description: Purified  
Date Reviewed: 4/19/2022

Sample I.D. 2203080  
Report Date 4/19/2022

### Inorganic Chemicals (IOCs)

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7440-36-0	Antimony	ND	6.00	2.00	ug/L	200.8 R5.4
7440-39-3	Barium	ND	1,000.00	10.00	ug/L	200.7 R4.4
7940-41-7	Beryllium	ND	4.00	0.10	ug/L	200.8 R5.4
	Bromate (BrO3)***	ND	10.00	2.50	ug/L	300.1
7440-43-9	Cadmium (Cd)	ND	5.00	0.10	ug/L	200.8 R5.4
	Chloramine	ND	4.00	0.02	mg/L	330.5
	Chlorine Dioxide	0.00	0.80		mg/L	STND 4500
	Chlorine, Free	0.00	0.10		mg/L	330.5
	Chlorine, Total	0.00	0.10		mg/L	330.5
7440-47-3	Chromium	ND	50.00	0.50	ug/L	200.8 R5.4
16984-48-8	Fluoride	ND	3.00	0.20	mg/L	300.0 R2.1
	Free Chlorine	0.00			mg/L	330.5
7439-92-1	Lead (Pb)	ND	1.00	1.00	ug/L	200.8 R5.4
7439-97-6	Mercury (Hg)	ND	1.00	0.20	ug/L	245.1 Rev. 3
7440-02-0	Nickel (Ni)	ND	100.00	10.00	ug/L	200.7 R4.4
	Perchlorate	ND	2.00	2.00	ug/L	314.0
7782-49-2	Selenium (Se)	ND	10.00	2.00	ug/L	200.8 R5.4
7440-28-0	Thallium (Tl)	ND	2.00	1.00	ug/L	200.8 R5.4
7440-38-2	Total Arsenic	ND	10.00	1.00	ug/L	200.8 R5.4
	Total Chlorine	0.00			mg/L	330.5

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NELAP Certifications: IL-100213; PA-68-04623; NY-11756; TX-TX269-2007A

State Certifications: IL-IDPH-17598; CA-2958; MT-CERT0091; IA-369; VT-VT02199; WI-399016200;  
CO-IL100213; MI-9988

Maria Mozdzen  
Analytical Lab Manager

## IBWA STANDARD OF QUALITY REPORT

### Secondary Inorganic Parameters

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7429-90-5	Aluminum	ND	200.00	2.00	ug/L	200.8 R5.4
	Chloride	ND	250.00	0.50	mg/L	300.0 R2.1
7440-50-8	Copper (Cu)	ND	1.00	0.02	mg/L	200.7 R4.4
	Est TDS By Conductivity	0.93	500.00		mg/L	
7439-89-6	Iron (Fe)	ND		0.05	mg/L	200.7 R4.4
7439-96-5	Manganese (Mn)	ND	0.05	0.02	mg/L	200.7 R4.4
7440-22-4	Silver (Ag)	ND	25.00	0.10	ug/L	200.8 R5.4
14808-79-8	Sulfate	ND	250.00	0.85	mg/L	300.0 R2.1
7440-66-6	Zinc (Zn)	ND	5.00	0.05	mg/L	200.7 R4.4

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### Additional Regulated Contaminants

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
7440-61-1	Uranium (U)	ND	30.00	2.00	ug/L	200.8 R5.4

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### Water Properties

CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
	Color	ND	5.00	5.00	color	SM2120C, 21Ed
	Color after Acidification	NM	5.00	5.00	color	SM2120C,21Ed
	Conductivity	1.30			microS/cm	120.1
	pH	6.30	8.50			150.1
	Turbidity	0.05	0.50		NTU	180.1 Rev. 2 1993
	Turbidity Filtered	NM	0.50		NTU	180.1 Rev. 2 1993

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**IBWA STANDARD OF QUALITY REPORT**

<b>Hardness</b>						
<b>CAS ID#</b>	<b>COMPOUNDS</b>	<b>RESULT</b>	<b>SOQ</b>	<b>MRL</b>	<b>Units</b>	<b>Method</b>
7440-70-2	Calcium	ND		0.10	mg/L	200.7 R4.4
	Hardness (CaCO3)	ND		0.70	mg/L	200.7 R4.4
7439-95-4	Magnesium	ND		0.10	mg/L	200.7 R4.4
7440-23-5	Sodium	ND		0.10	mg/L	200.7 R4.4

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## IBWA STANDARD OF QUALITY REPORT

Uncategorized						
CAS ID#	COMPOUNDS	RESULT	SOQ	MRL	Units	Method
	Bicarbonate	0.00			mg/L	SM2320B, 18Ed
	Carbonate	0.00			mg/L	SM2320B, 18Ed
	Contract Lab	See Attached Report				
7440-09-7	Potassium	ND		0.10	mg/L	200.7 R4.4
7631-86-9	Silica	0.15		0.05	mg/L	200.7 R4.4
7440-24-6	Strontium (Sr)	ND		0.05	mg/L	200.7 R4.4
	Total Alkalinity	0.00			mg/L	SM2320B, 18Ed

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# IBWA STANDARD OF QUALITY REPORT



2203080

Control Number:

Pace Analytical  
Attn: Sample Receiving  
8 East Tower Circle  
Ormond Beach, FL 32174

### IBWA ANNUAL TESTING - FOR CULLIGAN INTERNATIONAL

**SAMPLE SUBMITTED BY:**

Account Number: 10005015 / 4358  
Account Name: Fresno, California

**CULLIGAN BWP INFORMATION:**

Dealership Location/Name: Central Valley Culligan  
Address: 2479 South Orange Avenue  
City: Fresno State: CA Zip: 93725

Phone Number: 559-233-3055

FAX Number:

E-MAIL: Specker@culliganfresno.com

Person Taking Sample: Saverio Perez

Date Sample Taken: 1-14 March Time Sample Taken: Daily

**SAMPLE INFORMATION (check the appropriate boxes):**

Water Supply: Private  Municipal

Source: Surface  Well  Unknown

Condition: Treated  Untreated  Cloudy

Colored

Water Type: Premium  Fluoridated  DI  Purified

Demineralized  Spring  RO  Distilled

Remineralized  Source

For Questions contact Maria Mozdzen at (847) 430-1219

**LAB USE ONLY:**

Sample received in acceptable condition: Yes No  
Received by: BP Pace Date: 3/17/22 Time: 12:30  
If not, reason: \_\_\_\_\_  
Disposition of sample: \_\_\_\_\_

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# IBWA STANDARD OF QUALITY REPORT



## Sample Results

Pace Analytical Services, LLC  
8 East Tower Circle  
Ormond Beach, FL 32174  
(386) 672-5668

Client: Culligan International

Client ID: 2203080

Project ID: 2203080

Lab ID: 35704516001

Received 03/18/2022 09:15

Pace Project: 35704516

Collected: 03/18/2022 09:15

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
<b>504.1 GCS EDB and DBCP</b>							
Analytical Method: EPA 604.1		Preparation Method: EPA 604.1					
1,2-Dibromo-3-chloropropane	0.0067	<0.0067	ug/L	0.2	Below	0.2	Below
1,2-Dibromoethane (EDB)	0.0078	<0.0078	ug/L	0.05	Below	0.05	Below
<b>505 GCS PCB-TOX-TCH</b>							
Analytical Method: EPA 505		Preparation Method: EPA 505					
Chlordane (Technical)	0.038	<0.038	ug/L	2	Below	2	Below
PCB-1016 (Aroclor 1016)	0.047	<0.047	ug/L				
PCB-1221 (Aroclor 1221)	0.035	<0.035	ug/L				
PCB-1232 (Aroclor 1232)	0.048	<0.048	ug/L				
PCB-1242 (Aroclor 1242)	0.016	<0.016	ug/L				
PCB-1248 (Aroclor 1248)	0.013	<0.013	ug/L				
PCB-1254 (Aroclor 1254)	0.039	<0.039	ug/L				
PCB-1260 (Aroclor 1260)	0.031	<0.031	ug/L				
PCB, Total	0.048	<0.048	ug/L	0.5	Below	0.5	Below
Toxaphene	0.74	<0.74	ug/L	3	Below	3	Below
<b>515.3 Chlorinated Herbicides</b>							
Analytical Method: EPA 515.3		Preparation Method: EPA 515.3					
2,4-D	0.096	<0.096	ug/L	70	Below	70	Below
Dalapon	0.49	<0.49	ug/L	200	Below	200	Below
Dinoseb	0.16	<0.16	ug/L	7	Below	7	Below
Pentachlorophenol	0.014	<0.014	ug/L	1	Below	1	Below
Picloram	0.040	<0.040	ug/L	500	Below	500	Below
2,4,5-TP (Sivex)	0.053	<0.053	ug/L	50	Below	10	Below
<b>525.3 Pesticides Semivolatiles</b>							
Analytical Method: EPA 525.3		Preparation Method: EPA 525.3					
Alachlor	0.029	<0.029	ug/L	2	Below	2	Below
Atrazine	0.014	<0.014	ug/L	3	Below	3	Below
Benzo(a)pyrene	0.019	<0.019	ug/L	0.2	Below	0.2	Below
gamma-BHC (Lindane)	0.0027	<0.0027	ug/L	0.2	Below	0.2	Below
Endrin	0.0023	<0.0023	ug/L	2	Below	2	Below
bis(2-Ethylhexyl)adipate	0.35	<0.35	ug/L	400	Below	400	Below
bis(2-Ethylhexyl)phthalate	0.46	<0.46	ug/L			6	Below
Heptachlor	0.013	<0.013	ug/L	0.4	Below	0.4	Below
Heptachlor epoxide	0.0029	<0.0029	ug/L	0.2	Below	0.2	Below
Hexachlorobenzene	0.014	<0.014	ug/L	1	Below	1	Below
Hexachlorocyclopentadiene	0.024	<0.024	ug/L	50	Below	50	Below
Methoxychlor	0.023	<0.023	ug/L	40	Below	40	Below
Simazine	0.039	<0.039	ug/L	4	Below	4	Below
<b>531.2 HPLC Carbamates</b>							
Analytical Method: EPA 531.2		Preparation Method: EPA 531.2					
Aldicarb	0.36	<0.36	ug/L			3	Below
Aldicarb sulfone	0.58	<0.58	ug/L			3	Below
Aldicarb sulfoxide	0.47	<0.47	ug/L			4	Below
Carbofuran	0.59	<0.59	ug/L				
Oxamyl	0.46	<0.46	ug/L	200	Below	200	Below
<b>552.3 Haloacetic Acids</b>							
Analytical Method: EPA 552.3		Preparation Method: EPA 552.3					
Dibromoacetic Acid	0.43	<0.43	ug/L				
Dichloroacetic Acid	0.24	<0.24	ug/L				
Haloacetic Acids (Total)	0.90	<0.90	ug/L	60	Below	60	Below
Monobromoacetic Acid	0.29	<0.29	ug/L				
Monochloroacetic Acid	0.90	<0.90	ug/L				

04/12/2022 12:45:02

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Client ID: 2203080

Project ID: 2203080

Lab ID: 35704516001

Received 03/18/2022 09:15

Pace Project 35704516

Collected: 03/18/2022 09:15

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
<b>552.3 Haloacetic Acids</b>							
Analytical Method: EPA 852.3				Preparation Method: EPA 852.3			
Trichloroacetic Acid	0.28	<0.28	ug/L				
<b>6270 MSVV Semivolatile</b>							
Analytical Method: EPA 8270				Preparation Method: EPA 3510			
Phenol	0.60	<0.60	ug/L				
<b>524.2 MSV</b>							
Analytical Method: EPA 524.2							
Benzene	0.40	<0.40	ug/L	5	Below	1	Below
Bromodichloromethane	0.37	<0.37	ug/L				
Bromoform	0.35	<0.35	ug/L				
Carbon tetrachloride	0.28	<0.28	ug/L	5	Below	5	Below
Chlorobenzene	0.28	<0.28	ug/L	100	Below	50	Below
Chloroform	0.44	0.57J	ug/L				
Dibromochloromethane	0.47	<0.47	ug/L				
1,2-Dichlorobenzene	0.26	<0.26	ug/L	600	Below	600	Below
1,4-Dichlorobenzene	0.30	<0.30	ug/L	75	Below	75	Below
1,2-Dichloroethane	0.30	<0.30	ug/L	5	Below	2	Below
1,1-Dichloroethane	0.29	<0.29	ug/L	7	Below	2	Below
cis-1,2-Dichloroethane	0.33	<0.33	ug/L	70	Below	70	Below
trans-1,2-Dichloroethane	0.27	<0.27	ug/L	100	Below	100	Below
1,2-Dichloropropane	0.44	<0.44	ug/L	5	Below	5	Below
Ethylbenzene	0.23	<0.23	ug/L	700	Below	700	Below
Methylene Chloride	0.44	<0.44	ug/L	5	Below	3	Below
Methyl-tert-butyl ether	0.36	<0.36	ug/L			70	Below
Naphthalene	0.48	<0.48	ug/L			300	Below
Styrene	0.20	<0.20	ug/L	100	Below	100	Below
1,1,2,2-Tetrachloroethane	0.27	<0.27	ug/L			1	Below
Tetrachloroethene	0.26	<0.26	ug/L	5	Below	1	Below
Toluene	0.28	<0.28	ug/L	1000	Below	1000	Below
Total Trihalomethanes (Calc.)	0.47	0.57J	ug/L	80	Below	10	Below
1,2,4-Trichlorobenzene	0.35	<0.35	ug/L	70	Below	9	Below
1,1,1-Trichloroethane	0.27	<0.27	ug/L	200	Below	30	Below
1,1,2-Trichloroethane	0.28	<0.28	ug/L	5	Below	3	Below
Trichloroethene	0.26	<0.26	ug/L	5	Below	1	Below
Vinyl chloride	0.12	<0.12	ug/L	2	Below	2	Below
Xylene (Total)	0.11	<0.11	ug/L	10000	Below	1000	Below
<b>537.1 PFAS Compounds, Water</b>							
Analytical Method: EPA 537.1				Preparation Method: EPA 537.1			
11CI-PF3OUdS	0.0016	<0.0016	ug/L				
9CI-PF3ONS	0.0012	<0.0012	ug/L				
ADONA	0.00075	<0.00075	ug/L				
HFPO-DA	0.0017	<0.0017	ug/L				
NEFOSAA	0.00096	<0.00096	ug/L			5	Below
NMeFOSAA	0.0016	<0.0016	ug/L			5	Below
Perfluorobutanesulfonic acid	0.00069	<0.00069	ug/L			5	Below
Perfluorodecanoic acid	0.0010	<0.0010	ug/L			5	Below
Perfluorohexanoic acid	0.0013	<0.0013	ug/L			5	Below
Perfluorododecanoic acid	0.0015	<0.0015	ug/L			5	Below
Perfluorooheptanoic acid	0.0010	<0.0010	ug/L			5	Below
Perfluorohexanesulfonic acid	0.00076	<0.00076	ug/L			5	Below
Perfluorononanoic acid	0.0020	<0.0020	ug/L			5	Below
Perfluorooctanesulfonic acid	0.0012	<0.0012	ug/L			5	Below

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Project ID: 2203080

Lab ID: 35704516001

Received 03/18/2022 09:15

Pace Project 35704516

Collected: 03/18/2022 09:15

Matrix: Drinking Water

Parameters	Report Limit	Results	Units	FDA Limit	Above/Below Limit	IBWA Limit	Above/Below Limit
<b>537.1 PFAS Compounds, Water</b>		Analytical Method: EPA 537.1		Preparation Method: EPA 537.1			
Perfluorooctanoic acid	0.0090	<0.00090	ug/L			5	Below
Perfluorotetradecanoic acid	0.0019	<0.0019	ug/L			5	Below
Perfluorotridecanoic acid	0.0018	<0.0018	ug/L			5	Below
Perfluoroundecanoic acid	0.0020	<0.0020	ug/L			5	Below
Total PFAs	0.0019	<0.0019	ug/L			10	Below
<b>900.0 Gross Alpha/Beta</b>		Analytical Method: EPA 900.0					
Gross Alpha	1.59	1.59U	pCi/L	15	Below	15	Below
Gross Beta	1.74	1.74U	pCi/L	50	Below	50	Below
<b>903.1 Radium 226</b>		Analytical Method: EPA 903.1					
Radium-226	0.552	0.552U	pCi/L				
<b>904.0 Radium 228</b>		Analytical Method: EPA 904.0					
Radium-228	0.848	0.848U	pCi/L				
<b>300.1 Oxihalide IC Anions 14d</b>		Analytical Method: EPA 300.1					
Chlorite	0.25	<0.25	ug/L	1000	Below	1000	Below
<b>335.4 Cyanide, Total</b>		Analytical Method: EPA 335.4		Preparation Method: EPA 335.4			
Cyanide	0.0060	<0.0060	mg/L	0.1	Below	0.1	Below
<b>353.2 Nitrogen, NO2/NO3</b>		Analytical Method: EPA 353.2					
Nitrogen, NO2 plus NO3	0.015	<0.015	mg/L	10	Below	10	Below
Nitrogen, Nitrate	0.025	<0.025	mg/L				
Nitrogen, Nitrite	0.025	<0.025	mg/L				

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## Definitions/Qualifiers

Pace Analytical Services, LLC  
8 East Tower Circle  
Ormond Beach, FL 32174  
(386) 672-5668

Pace Project 35704516

### DEFINITIONS

- DF Dilution Factor
- J Estimated concentration above the adjusted method detection limit and below the adjusted reporting
- U Indicates the compound was analyzed for, but not detected.
- MDL Adjusted Method Detection Limit
- PQL Practical Quantitation Limit
- ND Not Detected at or above adjusted reporting limit.

### ANALYTE QUALIFIERS

- 1p A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
- B Analyte was detected in the associated method blank.
- C0 Result confirmed by second analysis.
- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.

N.D. - Indicates that the compound was not detected above the Lab's Reporting Limit - MRL

N.M. - Indicates that the compound was not measured.

SOQ - Standard of Quality, maximum permissible level of a contaminant in water established by EPA, NPDWR or IBWA.

MRL - Method Reporting Limit.

NELAP Certifications: IL-100213; PA-68-04623; NY-11756; TX-TX269-2007A

State Certifications: IL-IDPH-17598; CA-2958; MT-CERT0091; IA-369; VT-VT02199; WI-399016200;

CO-IL100213; MI-9988

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