

CHINO I DESALTER - 2024 WATER QUALITY REPORT

Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter Average	Range	Comments
PRIMARY STANDARDS - Mandatory Health-Related Standards							
Inorganic Chemicals (IOCs)							
Aluminum	ppb	2024	1000	50	ND	ND	
Antimony	ppb	2024	6	6	< 6	<6	
Arsenic	ppb	2024	10	2	0.63	2.8-3.5	
Asbestos	MFL	2024	7	0.2	<0.2	<0.2	
Barium	mg/L	2024	1000	0.02	0.04	0.03-0.05	
Beryllium	ppb	2024	4	1	< 1	<1	
Cadmium	ppb	2024	5	1	< 1	<1	
Total Chromium	ppb	2024	50	1	<1	<1	
Copper	ppb	2024	1000	10	<10	<10	
Cyanide	ppb	2024	150	100	< 100	<100	
Fluoride	ppm	2024	2	0.1	ND	NA	
Hexavalent Chromium	ppb	2024	10	1	0.05	ND-0.6	
Lead	ppb	2024	15	5	< 5	<5	
Mercury	ppb	2024	2	0.2	<0.2	<0.2	
Nickel	ppb	2024	100	10	< 10	<10	
Nitrate (as N)	mg/L	2024	10	3.1	3	1.7-4	
Nitrite (as N)	mg/L	2024	1	0.1	<0.1	<0.1	
Perchlorate	ppb	2024	6	0.1	0.17	ND-0.29	
Selenium	ppb	2024	50	5	1.94	ND-11	
Thallium	ppb	2024	2	1	< 1	<1	
Uranium	pCi/L	2024	20	>20	ND	ND	
Volatile Organic Chemicals (VOCs)							
					Average	Range	Comments
Benzene	ppb	2024	1	0.5	< 0.5	<0.5	
Carbon Tetrachloride	ppb	2024	0.5	0.5	< 0.5	<0.5	
1,2-Dichlorobenzene (O-Dichlorobenzene)	ppb	2024	600	0.5	< 0.5	<0.5	
1,4-Dichlorobenzene (P-Dichlorobenzene)	ppb	2024	5	0.5	< 0.5	<0.5	
1,1-Dichloroethane	ppb	2024	5	0.5	< 0.5	<0.5	
1,2-Dichloroethane	ppb	2024	0.5	0.5	< 0.5	<0.5	
cis-1,2-Dichloroethylene	ppb	2024	6	0.5	< 0.5	<0.5	
trans-1,2-Dichloroethylene	ppb	2024	10	0.5	< 0.5	<0.5	
Chloromethane (Methyl Chloride)	ppb	2024	5	0.5	< 0.5	<0.5	
1,3-Dichloropropene	ppb	2024	0.5	0.5	< 0.5	<0.5	
1,2-Dichloropropane	ppb	2024	5	0.5	< 0.5	<0.5	
Ethylbenzene	ppb	2024	300	0.5	< 0.5	<0.5	
Methyl-tert-butyl ether (MTBE)	ppb	2024	5	3	< 3.0	<3.0	
Styrene	ppb	2024	100	0.5	< 0.5	<0.5	
1,1,2,2-Tetrachloroethane	ppb	2024	1	0.5	< 0.5	<0.5	
Tetrachloroethylene (PCE)	ppb	2024	5	0.5	< 0.5	<0.5	
Toluene	ppb	2024	150	0.5	< 0.5	<0.5	
1,2,4 Trichlorobenzene	ppb	2024	5	0.5	< 0.5	<0.5	
1,1,1-Trichloroethane	ppb	2024	200	0.5	< 0.5	<0.5	
1,1,2-Trichloroethane	ppb	2024	5	0.5	< 0.5	<0.5	
Trichloroethylene (TCE)	ppb	2024	5	0.5	< 0.5	<0.5	
Trichlorofluoromethane (Freon-11)	ppb	2024	150	5	< 5.0	<5	
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane)	ppb	2024	1200	10	< 10	<10	
Vinyl Chloride	ppb	2024	0.5	0.5	< 0.5	<0.5	
Xylenes (Total)	ppb	2024	1750	0.5	< 0.5	<0.5	
Synthetic Organic Chemicals (SOCs)							
					Average	Range	Comments
Alachlor	ppb	2024	2	1	< 1	<1	
Atrazine	ppb	2024	1	0.5	< 0.5	<0.5	
Bentazon	ppb	2024	18	2	< 2	<2	
Benzo (a) pyrene	ppb	2024	0.2	0.1	< 0.1	<0.1	

Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter Average	Range	Comments
PRIMARY STANDARDS - Mandatory Health-Related Standards							
Synthetic Organic Chemicals (SOCs) (Continued)							
Carbofuran	ppb	2024	18	5	< 5	<5	
2,4-Dichlorophenoxyacetic acid	ppb	2024	70	10	< 10	<10	
Dalapon	ppb	2024	200	10	< 10	<10	
Di (2-ethylhexyl) adipate	ppb	2024	400	5	< 5	<5	
Di (2-ethylhexyl) phthalate	ppb	2024	4	3	<3	<3	
1,2-Dibromo-3-chloropropane (DBCP)	ppb	2024	0.2	0.01	ND	ND	
Dinoseb	ppb	2024	7	2	< 2	<2	
Endothall	ppb	2024	100	45	< 45	<45	
Endrin	ppb	2024	2	0.1	< 0.1	<0.1	
Ethylene Dibromide (EDB)	ppb	2024	0.05	0.02	< 0.02	<0.02	
Glyphosate	ppb	2024	700	25	< 25	<25	
Heptachlor	ppb	2024	0.01	0.01	< 0.01	<0.01	
Heptachlor Epoxide	ppb	2024	0.01	0.01	< 0.01	<0.01	
Hexachlorobenzene	ppb	2024	1	0.5	< 0.5	<0.5	
Hexachlorocyclopentadiene	ppb	2024	50	1	< 1	<1	
Lindane (BHC-GAMMA)	ppb	2024	0.2	0.2	< 0.2	<0.2	
Methoxychlor	ppb	2024	30	10	< 10	<10	
Molinate	ppb	2024	20	2	< 2	<2	
Oxamyl (Vydate)	ppb	2024	50	20	< 20	<20	
Pentachlorophenol	ppb	2024	1	0.2	< 0.2	<0.2	
Picloram	ppb	2024	500	1	< 1	<1	
Total Polychlorinated Biphenyls (PCBs) (as decachlorobiphenyl)	ppb	2024	0.5	0.5	< 0.5	<0.5	
Simazine	ppb	2024	4	1	< 1	<1	
Toxaphene	ppb	2024	3	1	< 1	<1	
2,4,5-TP (Silvex)	ppb	2024	50	1	<1	<1	
Microbiological Constituents							
Total Coliform Bacteria	Highest % of Monthly Positives	2024	(1)	NA	0%		(1) NOTE: None
Fecal Coliform or E.coli	Highest % of Monthly Positives	2024	(2)	NA	0%		(2) NOTE: None
Radiological							
Gross Alpha	pCi/L	2024	15	0.32	ND-3.86	< 3	
Disinfectant residuals, disinfection by-products, and disinfection by-products precursors							
Chlorine	ppm	2024	4.0	NA	1.32	1.18-1.50	^(a) Annual average of product water delivered to Chino and JCSD.
Chloramine	ppm	2024	4.0	NA	1.33	1.15-1.50	^(b) Annual average of product water delivered to Chino Hills.
Total Trihalomethanes (THM'S/TTHM)	ppb	2024	80	NA	< 0.5	<0.5-0.55	Collected Quarterly
- Bromodichloromethane	ppb	2024	NA	1	< 0.5	<0.5	Collected Quarterly
- Bromoform	ppb	2024	NA	1	< 0.5	<0.5	Collected Quarterly
- Chloroform	ppb	2024	NA	1	<0.5	<0.5-0.81	Collected Quarterly
- Dibromochloromethane	ppb	2024	NA	1	< 0.5	<0.5	Collected Quarterly
Haloacetic Acids (Five) (HAA5)	ppb	2024	60	2	< 2	<2	Collected Quarterly
- Monochloroacetic Acid	ppb	2024	NA	2	< 2	<2	Collected Quarterly
- Dichloroacetic Acid	ppb	2024	NA	1	< 1	<1	Collected Quarterly
- Trichloroacetic Acid	ppb	2024	NA	1	< 1	<1	Collected Quarterly
- Monobromoacetic Acid	ppb	2024	NA	1	< 1	<1	Collected Quarterly
- Dibromoacetic Acid	ppb	2024	NA	1	< 1	<1	Collected Quarterly
Total Organic Carbon (TOC)	ppm	2024	NA	0.3	<0.3	<0.3	

SECONDARY STANDARDS - Aesthetic Standards							
Aluminum	ppb	2024	1000	50	< 50	<50	
Color	Units	2024	15	NA	< 3	<3	
Chloride	ppm	2024	500	NA	98	NA	
Copper	ppb	2024	1000	<10	< 10	<10	
Foaming Agents (MBAS / SURFACTANTS)	ppm	2024	0.5	NA	< 0.08	<0.08	
Iron	ppb	2024	300	50	<50	<50	
Manganese	ppb	2024	50	10	< 10	<10	
Methyl tert-butyl ether (MTBE)	ppb	2024	13	3	< 3	<3	
Odor - Threshold	TON	2024	3	1	< 1	<1	
Silver	ppb	2024	100	10	< 10	<10	
Specific Conductance	uS/cm	2024	1600	NA	473	350-600	
Sulfate	ppm	2024	500	0.5	6.4	NA	
Thiobencarb	ppb	2024	70	1	< 1	<1	
Total Dissolved Solids (TDS)	ppm	2024	1000	NA	308	200-400	
Turbidity	NTU	2024	5	0.1	<0.1	<0.1	
Zinc	ppb	2024	5000	10	< 10	<10	
OTHER MONITORED Analytes							
General Mineral and Physical							
Bicarbonate	ppm	2024	NA	NA	85	56-130	
Calcium	ppm	2024	NA	NA	44	32-55	
Carbonate	ppm	2024	NA	NA	< 5	< 5	
Hydroxide	ppm	2024	NA	NA	< 5	< 5	
Magnesium	ppm	2024	NA	NA	9.1	5.9-12	
pH	Units	2024	NA	NA	7.70	7.4-8.1	
Potassium	ppm	2024	NA	NA	1.1	1.0-1.2	
Sodium	ppm	2024	NA	NA	32	39-35	
Total Alkalinity	ppm	2024	NA	NA	85	56-130	
Vanadium	ppb	2024	NA	NA	ND	ND	
1,4 Dioxane	ppb	2024	NA	NA	ND	ND	
Total Hardness	ppm	2024	NA	NA	148	100-190	
Additional Analyses							
Boron	ppb	2024	NA	100	< 100	<100	
N-Nitrosodimethylamine (NDMA)	ppb	2024	NA	10	< 10	<10	
1,2,3-Trichloropropane (1,2,3-TCP)	ppb	2024	0.005	0.005	< 0.005	<0.005	
Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter	Range	Comments
Perfluorinated Alkyl Acids							
Perfluorobutanoic acid (PFBA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoropentanoic acid (PFPeA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorohexanoic Acid (PFHxA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoroheptanoic Acid (PFHpA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorooctanoic Acid (PFOA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorononanoic Acid (PFNA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorodecanoic Acid (PFDA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoroundecanoic Acid (PFUnA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly

Perfluorododecanoic Acid (PFDoDA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorobutanesulfonic Acid (PFBS)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoropentanesulfonate (PFPeS)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorohexanesulfonic Acid (PFHxS)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoroheptanesulfonic acid (PFHpS)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluorooctanesulfonic Acid (PFOS)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
4:2 Fluorotelomer Sulfonate	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
6:2 Fluorotelomer Sulfonate	ppt	2024	N/A	5.0	<5.0	<5.0	Collected Quarterly
8:2 Fluorotelomer Sulfonate	ppt	2024	N/A	5.0	<5.0	<5.0	Collected Quarterly
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
11-chloroeicosafluoro 3oxaundecane-1-sulfonic Acid	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoro-4-methoxybutanoic acid (PFMBA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoro-3-methoxypropanoic acid (PFMPA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ppt	2024	N/A	2.0	<2.0	<2.0	Collected Quarterly

DLR Detection Limits for purposes of Reporting

MCL Maximum Contaminant Level

MFL Million Fibers per Liter

NA Not Applicable

ND None Detected

RL Respons Level

NL Notification Level

NTU Nephelometric Turbidity Units

pCi/L picoCuries per Liter

ppt parts per trillion or nanograms per liter (ng/L)

ppb parts per billion or micrograms per liter (ug/L)

ppm parts per million or milligrams per liter (mg/L)