

Chino I Desalter
2022 Water Quality Report

Parameter	Units	Year Tested	MCL	DLR	Chino I Desalter		Comments
PRIMARY STANDARDS - Mandatory Health-Related Standards							
Inorganic Chemicals (IOCs)					Average	Range	Lab ID #
Aluminum	ppb	2022	1000	50	< 50	< 50	C2G0594-01
Antimony	ppb	2022	6	6	< 6	< 6	C2G0594-01
Arsenic	ppb	2022	10	2	< 2	< 2	C2G0594-01
Asbestos	MFL	2022	7	0.2	<0.2	0	322213462-0001
Barium	ppb	2022	1000	100	< 100	< 100	C2G0594-01
Beryllium	ppb	2022	4	1	< 1	< 1	C2G0594-01
Cadmium	ppb	2022	5	1	< 1	< 1	C2G0594-01
Total Chromium	ppb	2022	50	10	< 10	< 10	C2G0594-01
Copper	ppb	2022	1000	50	< 50	< 50	C2G0594-01
Cyanide	ppb	2022	150	100	< 100	< 100	C2G0594-01
Fluoride	ppm	2022	2	0.1	< 0.1	< 0.1	C2G0594-01
Hexavalent Chromium	ppb	2022	10	1	< 1	< 1	C2G0594-01
Lead	ppb	2022	15	5	< 5	< 5	C2G0594-01
Mercury	ppb	2022	2	1	< 1	< 1	C2G0594-01
Nickel	ppb	2022	100	10	< 10	< 10	C2G0594-01
Nitrate (as N)	mg/L	2022	10	0.4	2.3	1.5 - 3.6	00618 (Highest result 12/05/22)
Nitrite (as N)	mg/L	2022	1	0.4	< 0.4	< 0.4	C2G0594-01
Perchlorate	ppb	2022	6	2	<2	<2	C2G0594-01
Selenium	ppb	2022	50	5	< 5	< 5	C2G0594-01
Thallium	ppb	2022	2	1	< 1	< 1	C2G0594-01
Volatile Organic Chemicals (VOCs)							
Benzene	ppb	2022	1	0.5	< 0.5	< 0.5	C2G0594-01
Carbon Tetrachloride	ppb	2022	0.5	0.5	< 0.5	< 0.5	C2G0594-01
1,2-Dichlorobenzene (O-Dichlorobenzene)	ppb	2022	600	0.5	< 0.5	< 0.5	C2F1774-03
1,4-Dichlorobenzene (P-Dichlorobenzene)	ppb	2022	5	0.5	< 0.5	< 0.5	C2F1774-03
1,1-Dichloroethane	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
1,2-Dichloroethane	ppb	2022	0.5	0.5	< 0.5	< 0.5	C2G0594-01
1,1-Dichloroethylene	ppb	2022	6	0.5	< 0.5	< 0.5	C2G0594-01
cis-1,2-Dichloroethylene	ppb	2022	6	0.5	< 0.5	< 0.5	C2G0594-01
trans-1,2-Dichloroethylene	ppb	2022	10	0.5	< 0.5	< 0.5	C2G0594-01
Dichloromethane (Methyl Chloride)	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
1,3-Dichloropropene	ppb	2022	0.5	0.5	< 0.5	< 0.5	C2G0594-01
1,2-Dichloropropane	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
Ethylbenzene	ppb	2022	300	0.5	< 0.5	< 0.5	C2G0594-01
Methyl-tert-butyl ether (MTBE)	ppb	2022	5	3	< 3	< 3	C2G0594-01
Styrene	ppb	2022	100	0.5	< 0.5	< 0.5	C2G0594-01
1,1,2,2-Tetrachloroethane	ppb	2022	1	0.5	< 0.5	< 0.5	C2G0594-01
Tetrachloroethylene (PCE)	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
Toluene	ppb	2022	150	0.5	< 0.5	< 0.5	C2G0594-01
1,2,4 Trichlorobenzene	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
1,1,1-Trichloroethane	ppb	2022	200	0.5	< 0.5	< 0.5	C2G0594-01
1,1,2-Trichloroethane	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
Trichloroethylene (TCE)	ppb	2022	5	0.5	< 0.5	< 0.5	C2G0594-01
Trichlorofluoromethane (Freon-11)	ppb	2022	150	5	< 5	< 5	C2G0594-01
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane)	ppb	2022	1200	10	< 10	< 10	C2G0594-01
Vinyl Chloride	ppb	2022	0.5	0.5	< 0.5	< 0.5	C2G0594-01
Xylenes (Total)	ppb	2022	1750	0.5	< 0.5	< 0.5	C2G0594-01
Synthetic Organic Chemicals (SOCs)							
Alachlor	ppb	2022	2	1	< 1	< 1	C2G0594-01
Atrazine	ppb	2022	1	0.5	< 0.5	< 0.5	C2G0594-01
Bentazon	ppb	2022	18	2	< 2	< 2	C2G0594-01
Benzo (a) pyrene	ppb	2022	0.2	0.1	< 0.1	< 0.1	C2G0594-01

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PRIMARY STANDARDS - Mandatory Health-Related Standards							
Synthetic Organic Chemicals (SOCs) (Continued)							
Carbofuran	ppb	2022	18	5	< 5	< 5	C2G0594-01
2,4-D	ppb	2022	70	10	< 10	< 10	C2G0594-01
Dalapon	ppb	2022	200	10	< 10	< 10	C2G0594-01
Di (2-ethylhexyl) adipate	ppb	2022	400	5	< 5	< 5	C2G0594-01
Di (2-ethylhexyl) phthalate	ppb	2022	4	3	< 3	< 3	C2G0594-01
Dibromochloropropane (DBCP)	ppb	2022	0.2	0.01	< 0.01	< 0.01	C2G0594-01
Dinoseb	ppb	2022	7	2	< 2	< 2	C2G0594-01
Diquat	ppb	2022	20	4	< 0.4	< 4	2207108-01A
Endothall	ppb	2022	100	45	< 45	< 45	C2G0594-01
Endrin	ppb	2022	2	0.1	< 0.1	< 0.1	C2G0594-01
Ethylene Dibromide (EDB)	ppb	2022	0.05	0.02	< 0.02	< 0.02	C2G0594-01
Glyphosate	ppb	2022	700	25	< 25	< 25	C2G0594-01
Heptachlor	ppb	2022	0.01	0.01	< 0.01	< 0.01	C2G0594-01
Heptachlor Epoxide	ppb	2022	0.01	0.01	< 0.01	< 0.01	C2G0594-01
Hexachlorobenzene	ppb	2022	1	0.5	< 0.5	< 0.5	C2G0594-01
Hexachlorocyclopentadiene	ppb	2022	50	1	< 1	< 1	C2G0594-01
Lindane (BHC-GAMMA)	ppb	2022	0.2	0.2	< 0.2	< 0.2	C2G0594-01
Methoxychlor	ppb	2022	30	10	< 10	< 10	C2G0594-01
Molinate	ppb	2022	20	2	< 2	< 2	C2G0594-01
Oxamyl (Vydate)	ppb	2022	50	20	< 20	< 20	C2G0594-01
Pentachlorophenol	ppb	2022	1	0.2	< 0.2	< 0.2	C2G0594-01
Picloram	ppb	2022	500	1	< 1	< 1	C2G0594-01
Total Polychlorinated Biphenyls (PCBs) (as decachlorobiphenyl)	ppb	2022	0.5	0.5	< 0.5	< 0.5	C2G0594-01
Simazine	ppb	2022	4	1	< 1	< 1	C2G0594-01
Thiobencarb	ppb	2022	70	1	< 1	< 1	C2G0594-01
Toxaphene	ppb	2022	3	1	< 1	< 1	C2G0594-01
2,3,7,8-TCDD (Dioxin)	ppb	2022	30	5	< 1	0	2207112-01
2,4,5-TP (Silvex)	ppb	2022	50	1	< 1	< 1	C2G0594-01
Microbiological Constituents							
Total Coliform Bacteria	Highest % of Monthly Positives	2022	(1)	NA	0%	<1 - 5	(1) NOTE: None
Fecal Coliform or E.coli	Highest % of Monthly Positives	2022	(2)	NA	0%	<1	(2) NOTE: None
Radiological							
Gross Alpha	pCi/L	2022	15	3	0.818	0.808	SP 2211831-001
Disinfectant residuals, disinfection by-products, and disinfection by-products precursors							
Chlorine	ppm	2022	4.0	NA	1.36	1.28 - 1.40	(a) Annual average of product water delivered to Chino and JCSD.
Chloramine	ppm	2022	4.0	NA	1.50	1.38 - 1.59	(b) Annual average of product water delivered to Chino Hills.
Total Trihalomethanes (THM'S/TTHM)	ppb	2022	80	NA	< 0.5	< 0.5	C2G1275-03
- Bromodichloromethane	ppb	2022	NA	1	< 1	< 0.5	C2G1275-03
- Bromoform	ppb	2022	NA	1	< 1	< 0.5	C2G1275-03
- Chloroform	ppb	2022	NA	1	< 1	< 0.5	C2G1275-03
- Dibromochloromethane	ppb	2022	NA	1	< 1	< 0.5	C2G1275-03
Haloacetic Acids (Five) (HAA5)	ppb	2022	60	2	< 2	< 2	C2G1275-03
- Monochloroacetic Acid	ppb	2022	NA	2	< 2	< 2	C2G1275-03
- Dichloroacetic Acid	ppb	2022	NA	1	< 1	< 1	C2G1275-03
- Trichloroacetic Acid	ppb	2022	NA	1	< 1	< 1	C2G1275-03
- Monobromoacetic Acid	ppb	2022	NA	1	< 1	< 1	C2G1275-03
- Dibromoacetic Acid	ppb	2022	NA	1	< 1	< 1	C2G1275-03
Total Organic Carbon (TOC)	ppm	2022	NA	0.3	0.77	0.77	C2G1855-01

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SECONDARY STANDARDS - Aesthetic Standards							
Aluminum	ppb	2022	1000	50	< 50	< 50	C2G0594-01
Color	Color Units	2022	15	NA	< 3	< 3	C2G0594-01
Chloride	ppm	2022	500	NA	89	110	C2G0594-01
Copper	ppb	2022	1000	<50	< 50	< 50	C2G0594-01
Foaming Agents (MBAS)	ppm	2022	0.5	NA	< 0.08	< 0.08	C2G0594-01
Iron	ppb	2022	300	100	< 100	< 100	C2G0594-01
Manganese	ppb	2022	50	20	< 20	< 20	C2G0594-01
Methyl-tert-butyl ether (MTBE)	ppb	2022	5	3	< 3	< 3	C2G0594-01
Odor - Threshold	TON	2022	3	1	< 1	< 1	C2G0594-01
Silver	ppb	2022	100	10	< 10	< 10	C2G0594-01
Specific Conductance	uS/cm	2022	1600	NA	473	320 - 560	
Sulfate	ppm	2022	500	0.5	1.4	0.5 - 1.4	C2G0594-01
Thiobencarb	ppb	2022	70	1	< 1	< 1	C2G0594-01
Total Dissolved Solids (TDS)	ppm	2022	1000	NA	335	220 - 440	
Turbidity	NTU	2022	5	0.1	0.1	0.1	C2G0594-01
Zinc	ppb	2022	5000	50	< 50	< 50	C2G0594-01
OTHER MONITORED PARAMETERS							
General Mineral and Physical							
Bicarbonate	ppm	2022	NA	NA	93	48 - 140	C2G0594-01
Calcium	ppm	2022	NA	NA	50	31 - 60	C2G0594-01
Carbonate	ppm	2022	NA	NA	< 5	<5	C2G0594-01
Hydroxide	ppm	2022	NA	NA	< 5	<5	C2G0594-01
Magnesium	ppm	2022	NA	NA	11	6.8 - 13	C2G0594-01
pH	Std. Units	2022	NA	NA	7.78	7.3 - 8.0	C2G0594-01
Potassium	ppm	2022	NA	NA	1.1	1 - 1.2	C2G0594-01
Sodium	ppm	2022	NA	NA	27	24 - 30	C2G0594-01
Total Alkalinity	ppm	2022	NA	NA	93	48 - 140	C2G0594-01
Total Hardness	ppm	2022	NA	NA	178	110 - 450	C2G0594-01
Additional Analyses							
Total Silica	ppm	2022	NA	NA	7.7	7.7	C2G0594-01
Boron	ppb	2022	NA	100	< 100	<100	C2G0594-01
N-Nitrosodimethylamine (NDMA)	ppb	2022	NA	0.002	< 0.002	< 0.002	2G15058-01
1,2,3-Trichloropropane (1,2,3-TCP)	ppb	2022	0.005	0.005	< 0.005	< 0.005	C2G0594-01
Parameter	Units	Year Tested	MCL	DLR	Chino I Desalter	NL/RL	Comments
Perfluorinated Alkyl Acids							
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorooctanesulfonic Acid (PFOS)	ng/L	2022	N/A	2.0	<2.0	6.5, 40	380-11561-4
Perfluoroundecanoic acid (PFUnA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorohexanoic acid (PFHxA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorododecanoic acid (PFDoA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorooctanoic acid (PFOA)	ng/L	2022	N/A	2.0	<2.0	5.1, 10	380-11561-4
Perfluorodecanoic acid (PFDA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorohexanesulfonic acid (PFHxS)	ng/L	2022	N/A	2.0	<2.0	3.0, 20	380-11561-4
Perfluorobutanesulfonic acid (PFBS)	ng/L	2022	N/A	2.0	<2.0	500, 5000	380-11561-4
Perfluoroheptanoic acid (PFHpA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorononanoic acid (PFNA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorotetradecanoic acid (PFTA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
Perfluorotridecanoic acid (PFTTrDA)	ng/L	2022	N/A	2.0	<2.0	<2.0	380-11561-4
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ng/L (ppt)	2022	N/A	2.0	<2.0	<2.0	380-11561-4

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
ppb parts per billion or micrograms per liter (ug/L)
ppm parts per million or milligrams per liter (mg/L)