

Chino I Desalter

2023 Water Quality Report

Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter Average	Range	Comments / Lab ID #
PRIMARY STANDARDS - Mandatory Health-Related Standards							
Inorganic Chemicals (IOCs)							
Aluminum	ppb	2023	1000	50	< 50	<50	C3G3353-01
Antimony	ppb	2023	6	6	< 6	<6	C3G3353-01
Arsenic	ppb	2023	10	2	2.32	<2 - 5.9	C3L1574 - 03
Asbestos	MFL	2023	7	0.2	<0.2	<0.2	322319015-0001
Barium	ppb	2023	1000	20	38.2	29-46	C3G1123-03
Beryllium	ppb	2023	4	1	< 1	<1	C3G1123-03
Cadmium	ppb	2023	5	1	< 1	<1	C3G1123-03
Total Chromium	ppb	2023	50	1	1.91	<1-4.6	C3G1123-03
Copper	ppb	2023	1000	10	<10	<10	C3G1123-03
Cyanide	ppb	2023	150	100	< 100	<100	C3G3353-01
Fluoride	ppm	2023	2	0.1	0.11	0.11	C3G3353-01
Hexavalent Chromium	ppb	2023	10	1	< 1	<1	2307936-001A
Lead	ppb	2023	15	5	< 5	<5	C3G3353-01
Mercury	ppb	2023	2	0.2	<0.2	<0.2	C3G3353-01
Nickel	ppb	2023	100	10	< 10	<10	C3G3353-01
Nitrate (as N)	mg/L	2023	10	0.4	3.27	1.7-5.1	Sampled Weekly
Nitrite (as N)	mg/L	2023	1	0.1	<0.1	<0.1	C3G3353-01
Perchlorate	ppb	2023	6	0.1	0.11	<0.1-0.2	C3G3353-01
Selenium	ppb	2023	50	5	6.1	<5-16	C3G3353-01
Thallium	ppb	2023	2	1	< 1	<1	C3G3353-01
Volatile Organic Chemicals (VOCs)					Average	Range	Comments / Lab ID #
Benzene	ppb	2023	1	0.5	< 0.5	<0.5	C3G3353-01
Carbon Tetrachloride	ppb	2023	0.5	0.5	< 0.5	<0.5	C3G3353-01
1,2-Dichlorobenzene (O-Dichlorobenzene)	ppb	2023	600	0.5	< 0.5	<0.5	C3G3353-01
1,4-Dichlorobenzene (P-Dichlorobenzene)	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
1,1-Dichloroethane	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
1,2-Dichloroethane	ppb	2023	0.5	0.5	< 0.5	<0.5	C3G3353-01
1,1-Dichloroethylene	ppb	2023	6	0.5	< 0.5	<0.5	C3G3353-01
cis-1,2-Dichloroethylene	ppb	2023	6	0.5	< 0.5	<0.5	C3G3353-01
trans-1,2-Dichloroethylene	ppb	2023	10	0.5	< 0.5	<0.5	C3G3353-01
Chloromethane (Methyl Chloride)	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
1,3-Dichloropropene	ppb	2023	0.5	0.5	< 0.5	<0.5	C3G3353-01
1,2-Dichloropropane	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
Ethylbenzene	ppb	2023	300	0.5	< 0.5	<0.5	C3G3353-01
Methyl-tert-butyl ether (MTBE)	ppb	2023	5	3	< 3	<3.0	C3G3353-01
Styrene	ppb	2023	100	0.5	< 0.5	<0.5	C3G3353-01
1,1,2,2-Tetrachloroethane	ppb	2023	1	0.5	< 0.5	<0.5	C3G3353-01
Tetrachloroethylene (PCE)	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
Toluene	ppb	2023	150	0.5	< 0.5	<0.5	C3G3353-01
1,2,4 Trichlorobenzene	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
1,1,1-Trichloroethane	ppb	2023	200	0.5	< 0.5	<0.5	C3G3353-01
1,1,2-Trichloroethane	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
Trichloroethylene (TCE)	ppb	2023	5	0.5	< 0.5	<0.5	C3G3353-01
Trichlorofluoromethane (Freon-11)	ppb	2023	150	5	< 5	<0.5	C3G3353-01
1,1,2-Trichloro-1,2,2-Trifluoroethane (Trichlorotrifluoroethane)	ppb	2023	1200	10	< 10	<10	C3G3353-01
Vinyl Chloride	ppb	2023	0.5	0.5	< 0.5	<0.5	C3G3353-01
Xylenes (Total)	ppb	2023	1750	0.5	< 0.5	<0.5	C3G3353-01
Synthetic Organic Chemicals (SOCs)					Average	Range	Lab ID #
Alachlor	ppb	2023	2	1	< 1	<1	C3G3353-01
Atrazine	ppb	2023	1	0.5	< 0.5	<0.5	C3G3353-01
Bentazon	ppb	2023	18	2	< 2	<2	C3G3353-01
Benzo (a) pyrene	ppb	2023	0.2	0.1	< 0.1	<0.1	C3G3353-01

Chino I Desalter

2023 Water Quality Report

Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter Average	Range	Comments / Lab ID #
PRIMARY STANDARDS - Mandatory Health-Related Standards							
Synthetic Organic Chemicals (SOCs) (Continued)							
Carbofuran	ppb	2023	18	5	< 5	<5	C3G3353-01
2,4-D	ppb	2023	70	10	< 10	<10	C3G3353-01
Dalapon	ppb	2023	200	10	< 10	<10	C3G3353-01
Di (2-ethylhexyl) adipate	ppb	2023	400	5	< 5	<5	C3G3353-01
Di (2-ethylhexyl) phthalate	ppb	2023	4	0.25	<0.25	<0.25	C3G3353-01
1,2-Dibromo-3-chloropropane (DBCP)	ppb	2023	0.2	0.01	< 0.01	<0.01	C3G3353-01
Dinoseb	ppb	2023	7	2	< 2	<2	C3G3353-01
Diquat	ppb	2023	20	4	<0.4	<0.4	2307477-01A
Endothall	ppb	2023	100	45	< 45	<45	C3G3353-01
Endrin	ppb	2023	2	0.1	< 0.1	<0.1	C3G3353-01
Ethylene Dibromide (EDB)	ppb	2023	0.05	0.02	< 0.02	<0.02	C3G3353-01
Glyphosate	ppb	2023	700	25	< 25	<25	C3G3353-01
Heptachlor	ppb	2023	0.01	0.01	< 0.01	<0.01	C3G3353-01
Heptachlor Epoxide	ppb	2023	0.01	0.01	< 0.01	<0.01	C3G3353-01
Hexachlorobenzene	ppb	2023	1	0.5	< 0.5	<0.5	C3G3353-01
Hexachlorocyclopentadiene	ppb	2023	50	1	< 1	<1	C3G3353-01
Lindane (BHC-GAMMA)	ppb	2023	0.2	0.2	< 0.2	<0.2	C3G3353-01
Methoxychlor	ppb	2023	30	10	< 10	<10	C3G3353-01
Molinate	ppb	2023	20	2	< 2	<2	2307L46-001A
Oxamyl (Vydate)	ppb	2023	50	20	< 20	<20	C3G3353-01
Pentachlorophenol	ppb	2023	1	0.2	< 0.2	<0.2	C3G3353-01
Picloram	ppb	2023	500	1	< 1	<1	C3G3353-01
Total Polychlorinated Biphenyls (PCBs) (as decachlorobiphenyl)	ppb	2023	0.5	0.5	< 0.5	<0.5	C3G3353-01
Simazine	ppb	2023	4	1	< 1	<1	C3G3353-01
Toxaphene	ppb	2023	3	1	< 1	<1	C3G3353-01
2,3,7,8-TCDD (Dioxin)	ppt	2023	0.03	0.005	<0.005	<0.005	WNK627
2,4,5-TP (Silvex)	ppb	2023	50	1	<1	<1	C3G3353-01
Microbiological Constituents							
Total Coliform Bacteria	Highest % of Monthly Positives	2023	(1)	NA	0%		(1) NOTE: None
Fecal Coliform or E.coli	Highest % of Monthly Positives	2023	(2)	NA	0%		(2) NOTE: None
Radiological							
Gross Alpha	pCi/L	2023	15	3	< 3	< 3	
Disinfectant residuals, disinfection by-products, and disinfection by-products precursors							
Chlorine	ppm	2023	4.0	NA	1.33		^(a) Annual average of product water delivered to Chino and JCSD.
Chloramine	ppm	2023	4.0	NA	1.34		^(b) Annual average of product water delivered to Chino Hills.
Total Trihalomethanes (THM'S/TTHM)	ppb	2023	80	NA	< 0.5	<0.5	Collected Quarterly
- Bromodichloromethane	ppb	2023	NA	1	< 1	<1	
- Bromoform	ppb	2023	NA	1	< 1	<1	
- Chloroform	ppb	2023	NA	1	< 1	<1	
- Dibromochloromethane	ppb	2023	NA	1	< 1	<1	
Haloacetic Acids (Five) (HAA5)	ppb	2023	60	2	< 2	<2	Collected Quarterly
- Monochloroacetic Acid	ppb	2023	NA	2	< 2	<2	
- Dichloroacetic Acid	ppb	2023	NA	1	< 1	<1	
- Trichloroacetic Acid	ppb	2023	NA	1	< 1	<1	
- Monobromoacetic Acid	ppb	2023	NA	1	< 1	<1	
- Dibromoacetic Acid	ppb	2023	NA	1	< 1	<1	
Total Organic Carbon (TOC)	ppm	2023	NA	0.3	<0.3	<0.3	C3G3353-01

Chino I Desalter

2023 Water Quality Report

SECONDARY STANDARDS - Aesthetic Standards							
Aluminum	ppb	2023	1000	50	< 50	<50	C3G3353-01
Color	Color Units	2023	15	NA	< 3	<3	C3G3353-01
Chloride	ppm	2023	500	NA	75	75	C3G3353-01
Copper	ppb	2023	1000	<50	< 50	<50	C3G3353-01
Foaming Agents (MBAS / SURFACTANTS)	ppm	2023	0.5	NA	< 0.08	<0.08	C3G3353-01
Iron	ppb	2023	300	100	< 100	<100	C3G3353-01
Manganese	ppb	2023	50	20	< 20	<20	C3G3353-01
Methyl tert-butyl ether (MTBE)	ppb	2023	13	3	< 3	<3	C3G3353-01
Odor - Threshold	TON	2023	3	1	< 1	<1	C3G3353-01
Silver	ppb	2023	100	10	< 10	<10	C3G3353-01
Specific Conductance	uS/cm	2023	1600	NA	469.81	350-540	Sampled Weekly
Sulfate	ppm	2023	500	0.5	6.1	6.1	C3G3353-01
Thiobencarb	ppb	2023	70	1	< 1	<1	C3G3353-01
Total Dissolved Solids (TDS)	ppm	2023	1000	NA	304.33	210-370	Sampled Weekly
Turbidity	NTU	2023	5	0.1	<0.1	<0.1	C3G3353-01
Zinc	ppb	2023	5000	50	< 50	<50	C3G3353-01
OTHER MONITORED Analytes							
General Mineral and Physical							
Bicarbonate	ppm	2023	NA	NA	88.6	58-130	Sampled Weekly
Calcium	ppm	2023	NA	NA	44.28	28-54	Sampled Weekly
Carbonate	ppm	2023	NA	NA	< 5	< 5	Sampled Weekly
Hydroxide	ppm	2023	NA	NA	< 5	< 5	Sampled Weekly
Magnesium	ppm	2023	NA	NA	9.47	5.3-12	Sampled Weekly
pH	Std. Units	2023	NA	NA	7.64	7-8	Sampled Weekly
Potassium	ppm	2023	NA	NA	1.03	<1-1.2	Sampled Monthly
Sodium	ppm	2023	NA	NA	28.15	24-32	Sampled Monthly
Total Alkalinity	ppm	2023	NA	NA	88.6	58-130	Sampled Weekly
Total Hardness	ppm	2023	NA	NA	150.43	93-190	Sampled Weekly
Additional Analyses							
Total Silica	ppm	2023	NA	NA	7.5	7.5	C3G3353-01
Boron	ppb	2023	NA	100	< 100	<100	C3G3353-01
N-Nitrosodimethylamine (NDMA)	ppb	2023	NA	0.002	< 0.002	<0.002	C3G3353-01
1,2,3-Trichloropropane (1,2,3-TCP)	ppb	2023	0.005	0.005	< 0.005	<0.005	Collected weekly starting April 2023
Analyte	Units	Year Tested	MCL	DLR	Chino I Desalter	Range	Comments / Lab ID #
Perfluorinated Alkyl Acids							
Perfluorobutanoic acid (PFBA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoropentanoic acid (PFPeA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorohexanoic Acid (PFHxA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoroheptanoic Acid (PFHpA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorooctanoic Acid (PFOA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorononanoic Acid (PFNA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorodecanoic Acid (PFDA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoroundecanoic Acid (PFUnA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorododecanoic Acid (PFDoDA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly

Chino I Desalter 2023 Water Quality Report

Perfluorobutanesulfonic Acid (PFBS)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoropentanesulfonate (PFPeS)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorohexanesulfonic Acid (PFHxS)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoroheptanesulfonic acid (PFHpS)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluorooctanesulfonic Acid (PFOS)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
4:2 Fluorotelomer Sulfonate	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
6:2 Fluorotelomer Sulfonate	ng/L (ppt)	2023	N/A	5.0	<5.0		Collected Quarterly
8:2 Fluorotelomer Sulfonate	ng/L (ppt)	2023	N/A	5.0	<5.0		Collected Quarterly
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
4,8-dioxa-3H-perfluorononanoic Acid (ADONA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
9-chlorohexadecafluoro-3-oxanone-1-sulfonic Acid	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
11-chloroeicosafluoro 3oxaundecane-1-sulfonic Acid	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoro-4-methoxybutanoic acid (PFMBA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoro-3-methoxypropanoic acid (PFMPA)	ng/L (ppt)	2023	N/A	2.0	<2.0		Collected Quarterly
Perfluoro(2-ethoxyethane)sulfonic acid (PFEEESA)	ng/L (ppt)	2023	N/A	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)