SFPUC's List of Raw Water Monitoring Analytes in 2020

Item No.	Raw Water Analytes
1	1,1,1-Trichloroethane
2	1,1,2,2-Tetrachloroethane
3	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
4	1,1,2-Trichloroethane
5	1,1-Dichloroethane
6	1,1-Dichloroethylene
7	1,2,3-Trichloropropane
8	1,2,4-Trichlorobenzene
9	1,2,4-Trimethylbenzene
10	1,2-Dichlorobenzene
11	1,2-Dichloroethane
12	1,2-Dichloropropane
13	1,3,5-Trimethylbenzene
14	1,3-Dichloropropene Total (cis+ trans)
15	1,4-Dichlorobenzene
16	1,4-Dioxane
17	1,7-Dimethylxanthine
18	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic aci
19	17-Alpha-Ethynylestradiol (Ethinyl Estradio)
20	17-Beta-Estradiol
21	2,3,7,8-Tetrachlorodibenzo-p-dioxin
22	2,4,5-TP (Silvex)
23	2,4,6-Trichloroanisole
24	2,4,6-trinitrotoluene (TNT)
25	2,4-D
26	2-Chlorotoluene
27	4,8-Dioxa-3H-perfluorononanoic acid
28	4-Androstene-3,17-Dione
29	4-Chlorotoluene
30	4-Methyl-2-Pentanone (MIBK)
31	4-Tert-Octylphenol
32	9-Chlorohexadecafluoro-3-oxanone-1-sulfonic acid
33	Acesulfame-K
34	Acetaminophen
35	Actinastrum
36	Actinocoma
37	Adenosine Triphosphate (ATP)
38	Alachlor
39	Albuterol
40	Algal Biomass
41	Algal toxins
42	Alkalinity
43	Alkalinity, CO3--
44	Alkalinity, HCO3-
45	Alkalinity, OH-
46	Alkalinity, phenolphtalein
47	Aluminum, Al
48	Ammonia as N
49	Amoxicillin
50	Amphipleura
51	Anabaena
52	Anacystis
53	Anatoxin
54	Anatoxin-α
55	Ankistrodesmus
56	Antimony, Sb
57	Aphanizomenon
58	Aphanocapsa
59	Arsenic, As
60	Asbestos
61	Asterionella
62	Atenolol
63	Atrazine
64	Attheya
65	Aulacoseria
66	Bacillaria

Item No.	Raw Water Analytes
139	Daphnia
140	Dea (Desethylatrazine)
141	Decapod
142	Deet
143	Dehydronifedipine
144	Desmidium
145	Dia (Desisopropylatrazine)
146	Diatoma
147	Diazepam
148	Diazinon
149	Dibromochloropropane (DBCP)
150	Dichlorodifluoromethane (F-12)
151	Diclofenac
152	Dictyosphaerium
153	Dilantin
154	Diltiazem
155	Dinobryon
156	Dinoseb
157	Diquat
158	Dissolved Organic Carbon
159	Dissolved oxygen
160	Diuron
161	Dolichospermum
162	Endothall
163	Endrin
164	Epithemia
165	Equilin
166	Erythromycin
167	*Escherichia coli*
168	Estradiol
169	Estriol
170	Estrone
171	Ethylbenzene
172	Ethylene dibromide
173	Ethylene Glycol
174	Ethylparaben
175	Eudorina
176	Euglena
177	Fecal Coliform
178	Filamentous blue-green algae
179	Filamentous_green_algae
180	Flumeqine
181	Fluoride
182	Fluoxetine
183	Formaldehyde
184	Fragilaria
185	gamma-BHC (gamma-HCH, Lindane)
186	Gemfibrozil
187	Geosmin
188	*Giardia* 1 - empty
189	*Giardia* 2 - amorphous
190	*Giardia* 3 - with 1 internal structure
191	*Giardia* 4 - with >1 internal structure
192	*Giardia* 5 - total
193	Glenodinium
194	Gleocapsa
195	Gleothece
196	Gloeocystis
197	Glyphosate
198	Gomphosphaeria
199	Gross Alpha particles
200	Gross Beta particles
201	Gymnodinium
202	Gyrosigma
203	Hardness, Calcium, as CaCO3
204	Hardness, Total, as CaCO3

Item No.	Raw Water Analytes
277	N-nitroso-dimethylamine (NDMA)
278	N-nitroso-di-n-propylamine (NDPA)
279	Nodularin
280	Nonylphenol
281	Norethisterone
282	n-Propylbenzene
283	Odor
284	Oedogonium
285	Oocystis
286	Oscillatoria
287	Ostracoda
288	Oust(Sulfameturon,Methyl)
289	Oxamyl (Vydate)
290	Oxolinic Acid
291	o-Xylene
292	Pandorina
293	Paramecium
294	Pediastrum
295	Pennate Diatom
296	Pentachlorophenol
297	Pentoxyfylline
298	Perchlorate, ClO4-
299	Perfluorobutanesulfonic acid (PFBS)
300	Perfluorodecanoic acid (PFDA)
301	Perfluorododecanoic acid (PFDoA)
302	Perfluoroheptanoic acid (PFHpA)
303	Perfluorohexanesulfonic acid (PFHxS)
304	Perfluorohexanoic acid (PFHxA)
305	Perfluorononanoic acid (PFNA)
306	Perfluorooctanesulfonic acid (PFOS)
307	Perfluorooctanoic acid (PFOA)
308	Perfluorotetradecanoic acid (PFTA)
309	Perfluorotridecanoic acid (PFTrDA)
310	Perfluoroundecanoic acid (PFUnA)
311	Peridinium
312	pH
313	Phenazone
314	Phosphate ortho
315	Phosphate ortho as P
316	Picloram
317	Pinnularia
318	Plankton Count
319	Planktothrix
320	Pleurosira
321	Potassium, K
322	Primidone
323	Progesterone
324	Propachlor
325	Propazine
326	Propylparaben
327	Protozoan
328	Quinoline
329	Radium 226
330	Radium 226, 228 Combined
331	Radium 228
332	Rotifera
333	Salicylic Acid
334	Saxitoxin
335	Scenedesmus
336	sec-Butylbenzene
337	Secchi
338	Selenium, Se
339	Silica, SiO2
340	Silver, Ag
341	Simazine
342	Snowella

SFPUC's List of Raw Water Monitoring Analytes in 2020

Item No.	Raw Water Analytes
67	Barium, Ba
68	Bendroflumethiazide
69	Bentazon (Basagran)
70	Benzafibrate
71	Benzene
72	Benzo[α]pyrene
73	Beryllium, Be
74	Bis-(2-ethylhexyl)-adipate
75	Bis-(2-ethylhexyl)-phthalate
76	Bisphenol A
77	Boron, B
78	Botryococcus
79	Bromacil
80	Bromide, Br-
81	Butalbital
82	Butylparaben
83	Cadmium, Cd
84	Caffeine
85	Calcium, Ca
86	Carbadox
87	Carbamazepine
88	Carbofuran
89	Carbon disulfide
90	Carbon tetrachloride
91	Carisoprodol
92	Ceratium
93	Chlamydomonas
94	Chloramphenicol
95	Chlorate, ClO3-
96	Chlordane
97	Chlorella
98	Chloridazon
99	Chloride
100	Chlorobenzene
101	Chlorococcum
102	Chlorophyll α
103	Chlorotoluron
104	Chromium (VI)
105	Chromium, Cr
106	Chrysosphaerella
107	Cimetidine
108	cis-1,2-dichloroethylene
109	cis-1,3-dichloropropene
110	Cladocera
111	Cladophora
112	Clofibric Acid
113	Closteridium
114	Closterium
115	Coccoid blue-green algae
116	Coccoid green algae
117	Cocconeis
118	Coelosphaerium
119	Color
120	Copepoda
121	Copper, Cu
122	Cosmarium
123	Cosmocladium
124	Cotinine
125	Crustacea_larvae
126	Crustaceans
127	Cryptomonas
128	*Cryptosporidium* 1 - empty
129	*Cryptosporidium* 2 - amorphous
130	*Cryptosporidium* 3 - with internal structure
131	*Cryptosporidium* 4 - total
132	Cyanazine

Item No.	Raw Water Analytes
205	Heptachlor
206	Heptachlor epoxide
207	Hexachlorobenzene
208	Hexachlorocyclopentadiene
209	Hexafluoropropylene oxide dimer acid (HFPO-DA)
210	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
211	HMX
212	Hyalotheca
213	Hydra
214	Ibuprofen
215	Iohexal
216	Iopromide
217	Iron, Fe
218	Isobutylparaben
219	Isopropylbenzene
220	Isoproturon
221	Ketoprofen
222	Ketorolac
223	Kirchneriella
224	Lead, Pb
225	Leptolyngbya
226	Lidocaine
227	Lincomycin
228	Linuron
229	Lopressor
230	Lyngbya
231	m,p-Xylene
232	Magnesium, Mg
233	Mallomonas
234	Manganese, Mn
235	Meclofenamic Acid
236	Meprobamate
237	Mercury, Hg
238	Meridion
239	Merismopedia
240	Metazachlor
241	Metformin
242	Methoxychlor
243	Methyl t-butyl ether
244	Methylene Blue Active Substance
245	Methylene chloride
246	Methylisoborneol
247	Methylparaben
248	Metolachlor
249	Micrasterias
250	Microcystin RR D-Asp3
251	Microcystin-LA
252	Microcystin-LF
253	Microcystin-LR
254	Microcystin-LY
255	Microcystin-RR
256	Microcystin-YR
257	Microcystis
258	Microspora
259	Molinate
260	Mougeotia
261	Nanoplankton
262	Naphthalene
263	Naproxen
264	Nauplius
265	Navicula
266	Naviculoid Diatom
267	n-Butylbenzene
268	Nematode
269	N-ethyl perfluorooctanesulfonamidoacetic acid
270	Nickel, Ni

Item No.	Raw Water Analytes
343	Sodium, Na
344	Specific Conductance
345	Sphaerocystis
346	Spinocosmarium
347	Spirogyra
348	Spirulina
349	Spondylosium
350	Staurastrum
351	Stenopterobia
352	Stephanodiscus
353	Stigleodonium
354	Strontium (radioactive)
355	Strontium, Sr
356	Styrene
357	Sucralose
358	Sulfachloropyridazine
359	Sulfadiazine
360	Sulfadimethoxine
361	Sulfamerazine
362	Sulfamethazine
363	Sulfamethizole
364	Sulfamethoxazole
365	Sulfate
366	Sulfathiazole
367	Surirella
368	Synedra
369	Tabellaria
370	Tcep
371	Tcpp (Fyrol Pcf)
372	Tdcpp
373	Temperature
374	tert Butyl Alcohol (TBA)
375	tert-Butylbenzene
376	Testosterone
377	Tetrachloroethylene
378	Thallium, Tl
379	Theobromine
380	Theophylline
381	Thiabendazole
382	Thiobencarb
383	Toluene
384	Total Coliform
385	Total Dissolved Solids
386	Total Microcystins
387	Total Organic Carbon
388	Total PCBs
389	Toxaphene
390	trans-1,2-Dichloroethylene
391	trans-1,3-Dichloropropene
392	Tribonema
393	Trichloroethylene
394	Trichlorofluoromethane (F-11)
395	Triclocarban
396	Triclosan
397	Trimethoprim
398	Tritium
399	Turbidity
400	Ulothrix
401	Uranium
402	UV254
403	Vanadium, V
404	Veliger
405	Vinyl chloride
406	Volvox
407	Warfarin
408	Woronichinia

SFPUC's List of Raw Water Monitoring Analytes in 2020

Item No.	Raw Water Analytes
133	Cyanide
134	Cyclotella
135	Cylindrospermopsin
136	Cymbella
137	Dact (2-Chloro-4,6-Diamino-S-Triazine)
138	Dalapon

Item No.	Raw Water Analytes
271	Nifedipine
272	Nitrate as N
273	Nitrite as N
274	Nitzschia
275	N-methyl perfluorooctanesulfonamidoacetic acid
276	N-nitroso-diethylamine (NDEA)

Item No.	Raw Water Analytes
409	Xanthidium
410	Xylene (total: p, m, o)
411	Zinc, Zn
412	zooplankton Eggs
413	Zygnema

SFPUC's List of Treated Water Monitoring Analytes in 2020

Item No.	Treated Water Analytes
1	1,1,1-Trichloroethane
2	1,1,2,2-Tetrachloroethane
3	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)
4	1,1,2-Trichloroethane
5	1,1-Dichloroethane
6	1,1-Dichloroethylene
7	1,2,4-Trichlorobenzene
8	1,2-Dichlorobenzene
9	1,2-Dichloroethane
10	1,2-Dichloropropane
11	1,3-Dichloropropene Total (cis+ trans)
12	1,4-Dichlorobenzene
13	1,4-Dioxane
14	17-Alpha-Ethynylestradiol (Ethinyl Estradio)
15	17-Beta-Estradiol
16	2,4,6-Trichloroanisole
17	4-Androstene-3,17-dione
18	Alkalinity
19	Alkalinity, CO3--
20	Alkalinity, HCO3-
21	Alkalinity, OH-
22	Alkalinity, phenolphtalein
23	Aluminum, Al
24	Ammonia as N
25	Anatoxin-a
26	Antimony, Sb
27	Arsenic, As
28	Asbestos
29	Barium, Ba
30	Benzene
31	Beryllium, Be
32	Boron, B
33	Bromate, BrO3-
34	Bromide, Br-
35	Bromodichloromethane, THM
36	Bromoform, THM
37	Cadmium, Cd
38	Calcium, Ca
39	Carbon tetrachloride
40	Chlorate, ClO3-
41	Chloride
42	Chlorite, ClO2-
43	Chlorobenzene

Item No.	Treated Water Analytes
76	*Giardia* 5 - total
77	Gross Alpha particles
78	HAA5 (HAA Total)
79	Hardness, Calcium, as CaCO3
80	Hardness, Total, as CaCO3
81	Iron, Fe
82	Lead, Pb
83	m,p-Xylene
84	Magnesium, Mg
85	Manganese, Mn
86	Mercury, Hg
87	Methyl t-butyl ether
88	Methylene Blue Active Substance
89	Methylene chloride
90	Methylisoborneol
91	Microcystin RR D-Asp3
92	Microcystin-LA
93	Microcystin-LF
94	Microcystin-LR
95	Microcystin-LY
96	Microcystin-RR
97	Microcystin-YR
98	Monobromoacetic Acid, HAA
99	Monochloroacetic Acid, HAA
100	Nickel, Ni
101	Nitrate as N
102	Nitrate+Nitrite as N
103	Nitrite as N
104	N-nitroso-diethylamine (NDEA)
105	N-nitroso-dimethylamine (NDMA)
106	N-nitroso-di-n-butylamine (NDBA)
107	N-nitroso-di-n-propylamine (NDPA)
108	N-nitroso-methylethylamine (NMEA)
109	N-nitroso-pyrrolidine (NPYR)
110	Nodularin
111	Odor
112	o-Xylene
113	Perchlorate, ClO4-
114	pH
115	Phosphate ortho
116	Potassium, K
117	Radium 226
118	Radium 226, 228 Combined

SFPUC's List of Treated Water Monitoring Analytes in 2020

Item No.	Treated Water Analytes
44	Chloroform, THM
45	Chromium (VI)
46	Chromium, Cr
47	cis-1,2-dichloroethylene
48	cis-1,3-dichloropropene
49	Cl2 Residual, free
50	Cl2 Residual, total
51	Color
52	Copper, Cu
53	*Cryptosporidium* 1 - empty
54	*Cryptosporidium* 2 - amorphous
55	*Cryptosporidium* 3 - with internal structure
56	*Cryptosporidium* 4 - total
57	Cyanide
58	Cylindrospermopsin
59	Diazinon
60	Dibromoacetic Acid, HAA
61	Dibromochloromethane, THM
62	Dichloroacetic Acid, HAA
63	Dissolved Organic Carbon
64	Equilin
65	*Escherichia coli*
66	Estriol
67	Estrone
68	Ethylbenzene
69	Fluoride
70	Free Ammonia (NH3) as N
71	Geosmin
72	*Giardia* 1 - empty
73	*Giardia* 2 - amorphous
74	*Giardia* 3 - with 1 internal structure
75	*Giardia* 4 - with >1 internal structure

Item No.	Treated Water Analytes
119	Radium 228
120	Saxitoxin
121	Screening Triangle Test
122	Selenium, Se
123	Silica, SiO2
124	Silver, Ag
125	Sodium, Na
126	Specific Conductance
127	Strontium, Sr
128	Styrene
129	Sulfate
130	Temperature (°F)
131	Testosterone
132	Tetrachloroethylene
133	Thallium, Tl
134	Toluene
135	Total Coliform
136	Total Dissolved Solids
137	Total Microcystins
138	Total Organic Carbon
139	trans-1,2-Dichloroethylene
140	trans-1,3-Dichloropropene
141	Trichloroacetic Acid, HAA
142	Trichloroethylene
143	Trichlorofluoromethane (F-11)
144	TTHM (THM Total)
145	Turbidity
146	Uranium
147	UV254
148	Vinyl chloride
149	Xylene (total: p, m, o)
150	Zinc, Zn

San Francisco Public Utilities Commission (SFPUC) - Water Quality Monitoring Data for Treated Water in 2020

No.	PARAMETERS [1]	Unit	Alameda East		SVWTP Effluent		HTWTP Effluent		CS2 Baden [2]		Sunset Reservoir Outlets [3]		Distribution System [4]		Transmission System [5]	
			Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average
	Volatile Organic Chemicals (VOCs)															
1	1,1,1-Trichloroethane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
2	1,1,2,2-Tetrachloroethane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
3	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
4	1,1,2-Trichloroethane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
5	1,1-Dichloroethane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
6	1,1-Dichloroethylene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
7	1,2,4-Trichlorobenzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
8	1,2-Dichlorobenzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
9	1,2-Dichloroethane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
10	1,2-Dichloropropane	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
11	1,3-Dichloropropene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
12	1,4-Dichlorobenzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
13	Benzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
14	Carbon tetrachloride	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
15	Monochlorobenzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
16	cis-1,2-dichloroethylene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
17	Ethylbenzene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
18	Methyl Tertiary Butyl Ether (MTBE)	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
19	Methylene chloride (Dichloromethane)	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
20	Styrene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
21	Tetrachloroethylene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
22	Toluene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
23	trans-1,2-Dichloroethylene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
24	Trichloroethylene	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
25	Trichlorofluoromethane (F-11)	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
26	Vinyl chloride	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
27	Xylenes, Total	ppb	ND	ND	ND	ND	ND	ND			ND	ND				
	Inorganic Chemicals															
28	Antimony	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
29	Arsenic	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
30	Asbestos	MFL	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
31	Barium	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
32	Beryllium	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
33	Cadmium	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
34	Chromium (VI)	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND - 1.5	ND				
35	Chromium (Total)	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
36	Cyanide	ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				

San Francisco Public Utilities Commission (SFPUC) - Water Quality Monitoring Data for Treated Water in 2020

No.	PARAMETERS [1]	Unit	Alameda East		SVWTP Effluent		HTWTP Effluent		CS2 Baden [2]		Sunset Reservoir Outlets [3]		Distribution System [4]		Transmission System [5]	
			Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average
37	Fluoride	ppm	0.7	0.7	0.5 - 0.8	0.7	0.7 - 0.9	0.8	0.6	0.6	0.6 - 0.8	0.7	0.6 - 0.8	0.7	0.5 - 0.9	0.7
38	Lead	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
39	Mercury	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
40	Nickel	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
41	Nitrate (as N)	ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND - 0.5	ND	ND - 0.5	ND	ND	ND
42	Nitrite (as N)	ppm	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND - 0.4	ND	ND	ND
43	Perchlorate	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
44	Selenium	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
45	Thallium	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
46	Strontium	ppb	14	14	242	242	75	75	15	15	22 - 28	25				
	Radionuclides															
47	Gross Alpha particles	pCi/L	ND	ND	ND	ND	ND	ND	ND	ND						
48	Radium 226, 228 Combined	pCi/L	ND	ND	ND	ND	ND	ND	ND	ND						
49	Uranium	pCi/L	ND	ND	ND	ND	ND	ND	ND	ND						
	Secondary Maximum Contaminant Levels															
50	Aluminum	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
51	Chloride	ppm	<3 - 5.2	<3	9.3 - 15	12	13 - 15	15	3.5 - 15	4.9	4.9 - 14	8.2				
52	Color	Units	<5 - 7	<5	<5	<5	<5	<5	6	6	5	5				
53	Copper	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
54	Foaming Agent (MBAS)	ppm	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1				
55	Iron	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND - 221	ND				
56	Manganese	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
57	Odor-Threshold	Units	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
58	Silver	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
59	Specific Conductance	µS/cm	26 - 39	32	238 - 403	331	173 - 200	189	40 - 228	69	54 - 325	109				
60	Sulfate	ppm	1.1	1.1	34	34	17	17	1.2	1.2	2.3 - 8.1	4.0				
61	Total Dissolved Solids	ppm	<20	<20	137	137	78	78	<20	<20	<20 - 118	50				
62	Turbidity	NTU	0.1 - 0.5	0.2	ND - 0.4	ND	ND - 0.2	ND	ND - 0.5	0.2	ND - 0.3	0.2				
63	Zinc	ppb	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
	Water Quality Parameters															
64	Alkalinity (as CaCO3)	ppm	6.7 - 12	8.6	60 - 138	104	42 - 54	50	11 - 60	19	15 - 60	28	11 - 63	25	6.7 - 138	37
65	Bromide	ppb	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50				
66	Calcium (as Ca)	ppm	2.9	2.9	22	22	11	11	3.1	3.1	4.1 - 4.8	4.5				
67	Hardness, Total (as CaCO3)	ppm	5.6 - 10	8.0	72 - 131	109	40 - 53	48	7.1 - 67	15	12 - 62	26				
68	Magnesium	ppm	0.2	0.2	6.8	6.8	4.9	4.9	0.2	0.2	0.8 - 1.1	0.9				
69	pH	-	7.0 - 9.1	8.2	8.2 - 9.0	8.7	8.7 - 9.3	9.2	8.9 - 9.7	9.4	7.7 - 9.7	9.2	7.7 - 9.9	9.3	7.0 - 9.8	9.1
70	Phosphate (ortho)	ppm	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3				
71	Potassium	ppm	0.3	0.3	1.3	1.3	0.6 - 0.7	0.6	0.3	0.3	0.3 - 0.4	0.4				

San Francisco Public Utilities Commission (SFPUC) - Water Quality Monitoring Data for Treated Water in 2020

No.	PARAMETERS [1]	Unit	Alameda East		SVWTP Effluent		HTWTP Effluent		CS2 Baden [2]		Sunset Reservoir Outlets [3]		Distribution System [4]		Transmission System [5]	
			Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average
72	Silica	ppm	4.6	4.6	7	7	2.8 - 5.1	4.0	4.6	4.6	5.0 - 5.2	5.1				
73	Sodium	ppm	2.4	2.4	22	22	19	19	4.2	4.2	5.5 - 6.6	6.1				
74	Total Organic Carbon	ppm	0.83 - 1.52	1.17	1.68 - 3.41	2.75	1.36 - 2.09	1.72	1.25	1.25	1.17 - 1.23	1.20				
	Disinfectant Residuals and Disinfection Byproducts															
75	Bromate	ppb					ND - 4	2								
76	Chlorine Residual, Total	ppm	0.6 - 0.7	0.7	1.1 - 3.4	2.9	2.3 - 3.4	3.2	2.7 - 3.3	3.0	1.3 - 3.0	2.5	<0.1 - 3.5	2.3	0.6 - 4.0	3.0
77	HAA5, Total	ppb	12 - 27	19	6.7 - 67	32	<2 - 6.2	2.4	4.8 - 31	21			10 - 33	22	<2 - 67	16
78	TTHM, Total	ppb	23 - 45	32	18 - 92	55	5.4 - 15	10	11 - 50	35			13 - 43	32	5.4 - 92	29
	Microorganisms															
79	*Cryptosporidium*- total [6]	#/L	0 - 0.01	0.001	0	0	0	0								
80	*Escherichia coli*	P/A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
81	*Giardia*- total [6]	#/L	0 - 0.05	0.01	0 - 0.01	0.001	0	0								
82	Total Coliform	P/A	1P - 333A	A	A	A	A	A	2P - 109A	A	A	A	3P - 4116A	A	10P - 2013A	A
	Algae, Algal Toxins, Taste and Odor Related Contaminants															
83	2,4,6-Trichloroanisole	ppt			<3	<3	<3	<3								
84	Algal toxins - Anatoxin-α	ppb			<0.01	<0.01	<0.01	<0.01								
85	Algal toxins - Cylindrospermopsin	ppb			<0.5	<0.5	<0.5	<0.5								
86	Algal toxins - Saxitoxin	ppb					<0.022	<0.022								
87	Algal toxins - Microcystin RR D-Asp3	ppb			<0.05	<0.05	<0.05	<0.05								
88	Algal toxins - Microcystin-LA	ppb			<0.25	<0.25	<0.25	<0.25								
89	Algal toxins - Microcystin-LF	ppb			<1	<1	<1	<1								
90	Algal toxins - Microcystin-LR	ppb			<0.25	<0.25	<0.25	<0.25								
91	Algal toxins - Microcystin-LY	ppb			<1	<1	<1	<1								
92	Algal toxins - Microcystin-RR	ppb			<0.05	<0.05	<0.05	<0.05								
93	Algal toxins - Microcystin-YR	ppb			<0.5	<0.5	<0.5	<0.5								
94	Algal toxins - Total Microcystins	ppb			<0.15	<0.15	<0.15	<0.15								
95	Geosmin	ppt			<3	<3	<3	<3								
96	Methylisoborneol (MIB)	ppt			<3	<3	<3	<3								
97	Nodularin	ppb			<0.05	<0.05	<0.05	<0.05								
98	Screening Triangle Test	-			1	1	1	1								
	Other Constituents															
99	1,4-Dioxane	ppb									ND	ND				
100	17-Alpha-Ethynylestradiol (Ethinyl Estradio)	ppb	<0.0009	<0.0009												
101	17-Beta-Estradiol	ppb	<0.0004	<0.0004												
102	4-Androstene-3,17-dione	ppb	<0.0003	<0.0003												
103	Boron	ppb									ND	ND				
104	Chlorate	ppb	67	67	270 - 1200	548	98 - 370	172	170	170	130 - 140	135				
105	Chlorite	ppb					ND	ND								
106	Diazinon	ppb									<0.1	<0.1				

San Francisco Public Utilities Commission (SFPUC) - Water Quality Monitoring Data for Treated Water in 2020

No.	PARAMETERS [1]	Unit	Alameda East		SVWTP Effluent		HTWTP Effluent		CS2 Baden [2]		Sunset Reservoir Outlets [3]		Distribution System [4]		Transmission System [5]	
			Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average
107	Equilin	ppb	<0.004	<0.004												
108	Estriol	ppb	<0.0008	<0.0008												
109	Estrone	ppb	<0.002	<0.002												
110	Dissolved Organic Carbon	ppm	1.1 - 1.7	1.3												
111	Ammonia (NH3) as N	ppm	<0.03	<0.03	<0.03 - 0.14	0.08	<0.03 - 0.11	0.04	0.04	0.04			0.06 - 0.17	0.10	<0.03 - 0.54	0.06
112	N-nitroso-diethylamine (NDEA)	ppt	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
113	N-nitroso-dimethylamine (NDMA)	ppt	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2 - 5	3	<2	<2
114	N-nitroso-di-n-butylamine (NDBA)	ppt	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2
115	N-nitroso-di-n-propylamine (NDPA)	ppt	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
116	N-nitroso-methylethylamine (NMEA)	ppt	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2
117	N-nitroso-pyrrolidine (NPYR)	ppt	<2	<2	<2	<2	<2	<2	<2	<2			<2	<2	<2	<2
118	Temperature	°F	49 - 67	54	49 - 71	58	53 - 74	64	51 - 67	56	52 - 71	56				
119	Testosterone	ppb	<0.0001	<0.0001												
120	UV254	Abs/cm			0.02 - 0.05	0.04	0.02 - 0.04	0.03								

Notes:

1) Monitoring results showing no detections in the above table are reported as "Non-detected (ND)" if there exists State's regulatory Detection Limits for Purposes of Reporting. Otherwise, the non-detects are shown as less than ("<") the corresponding laboratory reporting limits.
2) CS2 at Baden is a representative point-of-entry to the San Francisco Water System, which supplies drinking water to the City of San Francisco.
3) Compliance monitoring locations for San Francisco local wells are at Sunset Reservoir Outlets (SSO).
4) Distribution system refers to the complex network of water pipelines within the City of San Francisco.
5) Transmission system refers to the SFPUC's extensive network of water delivery pipelines located outside of the City of San Francisco.
6) Monitoring results of *Cryptosporidium* -total and *Giardia* -total reported for Alameda East were from the upstream location at Tesla Portal.

Keys:

" < " = Less than the reporting limit
pCi/L = picoCuries per Liter
µS/cm = MicroSiemens/Centimeter
Abs/cm = Absorbance per centimeter
AL = Action Level
DLR = Detection Limit for Purposes of Reporting
°F = Fahrenheit
MFL = Million Fibers per Liter
ND = Non-Detected
NL = Notification Level
NTU = Nephelometric Turbidity Unit
P/A = Presence/Absence
ppb = part per billion
ppm = part per million
ppt = part per trillion
CS2 = Crystal Springs Pipeline #2
HTWTP = Harry Tracy Water Treatment Plant
POE = Point-of-Entry
SVWTP = Sunol Valley Water Treatment Plant