	2019 Water Quality Report to SDCWA member agencies San Diego County Water Authority								
		State or				Treatment Plant Effluent	1		
		Federal MCL	PHG (MCLG)	State	Range	Twin Oaks Valley	Major Sources in Drinking Water		
Parameter	Units	[MRDL]	[MRDLG]	DLR	Average	Water Treatment Plant			
CLARITY			ted Stan	uarus			-		
Combined Filter Effluent Turbidity	NTU NTU	0.1 0.1	NA NA	NA NA	Range Average	0.01 - 0.02 0.015	Soil runoff		
	%	95 (a)	NA	NA	%≤ 0.1	100.0%			
Total Coliform	9/	5.0 (b)	0	NIA	Range	ND	Naturally propagit in the environment		
Total Coliform	70 9/	5.0 (b)	0		Range	ND			
E. coli	<b>%</b>	(d) 0.C	0	NA	Range	ND ND			
ORGANIC CHEMICALS	(C)	(C)	0	NA	Average	ND	Human and animal recai waste		
Pesticides/PCBs					Range	ND			
Alachlor	ppb	2	4	1	Average Range	ND ND	Runoff from herbicide used on row crops Runoff from herbicide used on row crops		
Atrazine	ppb	1	0.15	0.5	Average Range	ND ND	and along highways Runoff/leaching from herbicide used on rice.		
Bentazon	ppb	18	200	2	Average	ND ND	alfalfa, and grapes		
Carbofuran	ppb	18	0.7	5	Average	ND	and grapes		
Chlordane	ppt	100	30	100	Average	ND	Residue of banned insecticide		
2,4-D	ppb	70	20	10	Average	ND	range land, lawns and aquatic weeds		
Dalapon	ppb	200	790	10	Average	ND ND	crops, and landscapes		
Dibromochloropropane (DBCP)	ppt	200	1.7	10	Average	ND ND	In soils		
Dinoseb	ppb	7	14	2	Range Average	ND ND	Runoff from herbicide used on soybeans, vegetables, and fruits		
Diquat	ppb	20	6	4	Range Average	ND ND	Runoff from herbicide used for terrestrial and aquatic weeds		
Endothall	ppb	100	94	45	Range Average	ND ND	Runoff from herbicide used for terrestrial and aquatic weeds		
Endrin	dqq	2	0.3	0.1	Range Average	ND ND	Residue of banned insecticide and rodenticide		
Ethylene Dibromide (EDB)	ppt	50	10	20	Range Average	ND ND	Petroleum refinery discharges; underground		
Glyphosate	nnh	700	900	25	Range Average	ND ND	Runoff from berbicide use		
Hentachlor	nnt	10	8	10	Range Average	ND ND	Residue of banned insecticide		
Heptachlor Epovide	ppt	10	6	10	Range	ND ND			
	ppi	200	0	200	Range	ND ND	Runoff/leaching from insecticide used on cattle,		
Lindane	ppt	200	32	200	Average Range	ND ND	iumber, and gardens		
	ppp	30	0.09	10	Average Range	ND ND			
	dqq	20	1	2	Average Range	ND ND			
Oxamyl (Vydate)	ppb	50	26	20	Average Range	ND ND	Discharge from wood preserving factories		
Pentachlorophenol	ppb	1	0.3	0.2	Average Range	ND ND	other insecticidal and herbicidal uses		
Picloram Polychlorinated	ppb	500	166	1	Average Range	ND ND	Herbicide runoff		
Biphenyls (PCBs)	ppt	500	90	500	Average Range	ND ND	Runoff from landfills; discharge of waste chemicals		
Simazine	ppb	4	4	1	Average Range	ND ND	Herbicide runoff		
Thiobencarb (d) 2,4,5-TP	ppb	70	42	1	Average Range	ND ND	Runoff leaching from rice herbicide		
(Silvex)	ppb	50	3	1	Average Range	ND ND	Residue of banned herbicide Runoff/leaching from insecticide used on		
Toxaphene Semi-Volatile Organic Compound	ppb s	3	0.03	1	Average	ND	cotton and cattle		
Acrylamide	NA	TT	(0)	NA	Range Average	ND ND	Water treatment chemical impurities		
Benzo(a)pyrene	ppt	200	7	100	Range Average	ND ND	Leaching from water storage tank linings		
	nnh	400	200	5	Range Average	ND ND	Discharge from chemical factories		
	ppb	400	12	3	Range Average	ND	Chemical factory discharge; inert ingredient		
Enichlorohydrin	NA	 - TT	(0)		Range	ND	Water treatment chamical impurities		
	na	1	(0)	0.5	Range	ND ND	Discharge from metal refineries & agrichemicals		
Hexachloropenzene	ppp	50	0.03	0.5	Average Range	ND ND	Picehouse from the minel factories		
Hexachiorocyclopentadiene	ррр	50	2	1	Average Range	ND ND	Waste incineration emissions; chemical factory		
Volatile Organic Compounds	ppq	30	0.05	5	Average	ND	discharge		
Benzene	ppb	1	0.15	0.5	Range Average	ND ND	Plastics factory discharge; gas tanks and landfill leaching		
Carbon Tetrachloride	ppt	500	100	500	Range Average	ND ND	Discharge from chemical plants and other industrial waste		
1,2-Dichlorobenzene	ppb	<u>6</u> 00	600	<u>0</u> .5	Range Average	ND ND	Discharge from industrial chemical factories		
1,4-Dichlorobenzene	daq	5	6	0.5	Range Average	ND ND	Discharge from industrial chemical factories		
1.1-Dichloroethane	pph	5	3	0.5	Range Average	ND ND	Extraction and degreasing solvent: fumigant		
1 2-Dichloroethane	nnt	500	400	500	Range Average	ND ND	Discharge from industrial chemical factories		
	ppi nob		10	0.5	Range	ND ND			
		6	10	0.0	Range	ND ND	Industrial chemical factory discharge;		
	dqq	0	13	0.5	Average Range	ND ND	Industrial chemical factory discharge;		
Dichloromethane	aqq	- 10	50	0.5	Average Range	ND ND	Discharge from pharmaceutical		
(wetnylene Chloride)	ppb	5	4	0.5	Average Range	ND ND	and chemical factories Industrial chemical factory discharge;		
1,2-Dichloropropane	ppb	5	0.5	0.5	Average	ND	primary component of some fumigants		

2019 Water Quality Report to SDCWA member agencies San Diego County Water Authority									
		State or				Treatment Plant Effluent			
		Federal	PHG				Major Sources in Drinking Water		
Parameter	Units	MCL [MRDL]	(MCLG) [MRDLG]	State DLR	Range Average	Twin Oaks Valley Water Treatment Plant			
					Range	ND	Runoff/leaching from nematocide used on		
1,3-Dichloropropene	ppt	500	200	500	Average	ND	croplands		
					Range	ND	Petroleum refinery discharge; industrial		
Ethylbenzene	ppb	300	300	0.5	Average	ND	chemical factories		
Methyl <i>tert</i> -butyl ether					Range	ND			
(MTBE) (d,e)	ppb	13	13	3	Average	ND	Gasoline discharge from watercraft engines		
					Range	ND	Discharge from industrial, agricultural, and chemical		
Monochlorobenzene	ppb	70	70	0.5	Average	ND	factories, and dry cleaners		
					Range	ND	Rubber and plastics factories discharge;		
Styrene	ppb	100	0.5	0.5	Average	ND	landfill leaching		
					Range	ND	Discharge from industrial, agricultural, and chemical		
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Average	ND	factories; solvent uses		
Tetrachloroethylene					Range	ND	Discharge from factories, dry cleaners,		
(PCE)	ppb	5	0.06	0.5	Average	ND	and auto shops		
					Range	ND			
Toluene	ppb	150	150	0.5	Average	ND	Discharge from petroleum and chemical refineries		
					Range	ND			
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Average	ND	Discharge from textile-finishing factories		
					Range	ND	Metal degreasing site discharge; manufacture		
1,1,1-Trichloroethane	ppb	200	1000	0.5	Average	ND	of food wrappings		
					Range	ND			
1,1,2-Trichloroethane	ppb	5	0.3	0.5	Average	ND	Discharge from industrial chemical factories		
					Range	ND	Cleaning and degreasing solvent,		
1,2,3-Trichloropropane	ppt	5	0.7	5	Average	ND	also associated with pesticide products		
Trichloroethylene					Range	ND	Discharge from metal degreasing sites and		
(TCE)	ppb	5	1.7	0.5	Average	ND	other factories		
Trichlorofluoromethane					Range	ND	Industrial factory discharge; degreasing solvent;		
(Freon-11)	ppb	150	1300	5	Average	ND	propellant		
1,1,2-Trichloro-1,2,2-					Range	ND	Discharge from metal degreasing sites and other		
trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Average	ND	factories; dry cleaning solvent; refrigerant		
					Range	ND	Leaching from PVC piping; plastic factory		
Vinyl Chloride	ppt	500	50	500	Average	ND	discharge; by-product of TCE and PCE biodegradation		
					Range	ND	Discharge from petroleum and chemical refineries;		
Xylenes	ppm	1.750	1.8	0.0005	Average	ND	fuel solvent		

2019 Water Quality Report to SDCWA member agencies San Diego County Water Authority									
		State or				Treatment Plant Effluent	1		
<b>D</b>	Unite	Federal MCL	PHG (MCLG)	State	Range	Twin Oaks Valley	Major Sources in Drinking Water		
Parameter	Units	[MRDL]		DLR	Average	water Treatment Plant			
Aluminum (d)	nnm	1	0.6	0.05	Range Average	ND ND	Natural deposits erosion; Residue from water treatment process		
	ppin	6	0.0	6	Single	ND	Petroleum refinery discharges; fire retardants;		
Antimony	ddd	0	1	0	Sample		Natural deposits erosion, glass and electronics		
Arsenic	ppb	10	0.004	2	Sample Single	3	Asbestos cement pipes internal corrosion;		
Asbestos	MFL	7	7	0.2	Sample Single	ND	natural deposits erosion Natural deposits erosion;		
Barium	ppb	1000	2000	100	Sample Single	50	Oil and metal refineries discharge.		
Beryllium	ppb	4	1	1	Sample	ND	and defense industries		
Cadmium	ppb	5	0.04	1	Sample	ND	natural deposits erosion		
Chromium	ppb	50	(100)	10	Sample	ND	natural deposits erosion		
Chromium VI (q)	ppb	NA	0.02	NA	Average	0.06-0.49	discharge from industrial waste factories		
Copper (d,f)	ppm	1.0	0.3	0.05	Single Sample	0.0024	Internal corrosion of household pipes; natural deposits erosion		
Cyanide	ppb	150	150	100	Single Sample	ND	Discharge from steel/metal, plastic, and fertilizer factories		
				Optima	Control Range	0.6 - 1.2	Erosion of natural deposits:		
Fluoride (g) Treatment-related	nnm	2.0	1	0.1	Range Average	0.5-0.7	water additive that promotes strong teeth		
	ppin	2.0	0.2	5	Single	ND	House pipes internal corrosion;		
Leau (y)	αηή	AL=15	0.2	0	Sample Single		Erosion of natural deposits; Erosion of natural deposits; factory discharge;		
	ppb	2	1.2	1	Sample Single		Erosion of natural deposits; discharge from		
Nickel	ppb	100	12	10	Sample Range	ND 0.2- 0.4	metal factories Runoff and leaching from fertilizer use; septic tank		
Nitrate (as N) (h)	ppm	10	10	0.4	Average Range	0.3 ND	and sewage; natural deposits erosion Runoff and leaching from fertilizer use; septic tank		
Nitrite (as N)	ppm	1	1	0.4	Average Single	ND	and sewage; natural deposits erosion		
Perchlorate (i)	ppb	6	1	4	Sample	ND	Industrial waste discharge		
Selenium	ppb	50	30	5	Sample	ND	waste discharge; runoff from livestock lots		
Thallium	ppb	2	0.1	1	Sample	ND	factory discharge		
RADIOLOGICALS (j) Gross Alpha					Range	ND			
Particle Activity Gross Beta	pCi/L	15	(0)	3	Average Range	ND ND - 3.5	Erosion of natural deposits		
Particle Activity (k)	pCi/L	50	(0)	4	Average	2.3 ND	Decay of natural and man-made deposits		
Radium-226	pCi/L	NA	0.05	1	Average	ND	Erosion of natural deposits		
Radium-228	pCi/L	NA	0.019	1	Average	ND	Erosion of natural deposits		
Radium-226 + 228 (I)	pCi/L	5	(0)	NA	Average		Erosion of natural deposits		
Strontium-90	pCi/L	8	0.35	2	Range Average	ND ND	Decay of natural and man-made deposits		
Tritium	pCi/L	20000	400	1000	Range Average	ND ND	Decay of natural and man-made deposits		
Uranium	pCi/L	20	0.43	1	Single Sample	<u>1.0 -1.1</u> 1.1	Erosion of natural deposits		
DISINFECTION BY-PRODUCTS, D	ISINFECT/	ANT RESI	IDUALS, A	ND DIS		Y-PRODUCTS PRECURSORS (m)			
(TTHM) (n)	ppb	80	NA	1	Highest TTHM	74	By-product of drinking water chlorination		
Haloacetic Acids (five) (HAA5) (o)	ppb	60	NA	1	Range Highest HAA5	24	By-product of drinking water chlorination		
Bromate (p)	ppb	10	0.1	1	Range Average	<u>2 - 4.8</u> 3.1	By-product of drinking water ozonation		
Total Chlorine Residual	ppm	[4.0]	[4.0]	NA	Range Average	<mark>1.6-3.6</mark> 3.1	Drinking watrer disinfectant added for treatment		
as Total Organic Carbon (TOC)	ppm	TT	NA	0.30	Range Average	<u>1.9-2.5</u> 2.2	Various natural and man-made sources; TOC is a precursor for the formation		
SECONDARY STANDARDSA	esthetic S	Standard	Is	0.00	Dense				
Aluminum (d)	ppb	200	NA	50	Average	ND	natural deposits erosion		
Chloride	ppm	500	NA	NA	Single Sample	75	Runott/leaching from natural deposits;		
Color	Color Units	15	NA	NA	Range Average	ND ND	Naturally occurring organic materials		
Copper (d.f)	maa	1.0	NA	0.05	Sample	0.0024	Internal corrosion of household pipes; natural deposits erosion; wood preservatives leaching		
Foaming Agents	nnh	500	NA	NA	Sample Sample	ND	Municipal and industrial waste discharges		
	ppb	200		100	Range	ND ND			
	dqq	300	NA NA	100	Range	ND ND			
Manganese	ppb	50	NL = 500	20	Average Range	ND ND	Leaching from natural deposits		
MTBE (d,e)	ppb	5	NA	3	Average Single	ND	Gasoline discharge from watercraft engines		
Odor Threshold	TON	3	NA	1	Sample Single	1.0	Naturally-occurring organic materials		
Silver	ppb	100	NA	10	Sample Single	ND	Industrial discharges Substances that form ions in water		
Specific Conductance	µS/cm	1600	NA	NA	Sample	600	seawater influence		
Sulfate	ppm	500	NA	0.5	Sample	89 ND	industrial wastes		
Thiobencarb (d)	ppb	1	NA	1	Average	ND	Runoff/leaching from rice herbicide		
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Single Sample	340	Runott/leaching from natural deposits; seawater influence		
Turbidity (a)	NTU	5	NA	<u>0.1</u>	Range Average	ND ND	Soil runoff		
Zinc	maa	5.0	NA	0.05	Single Sample	ND	Runoff/leaching from natural deposits; industrial wastes		
OTHER PARAMETERS		0.0							
					Range	ND			
Acetochlor	ppb	NA	NA	2	Average	ND	Herbicide runoff		

2019 Water Quality Report to SDCWA member agencies San Diego County Water Authority									
		State or Federal	PHG			Treatment Plant Effluent	Major Sources in Drinking Water		
Parameter	Units	MCL [MRDL]	(MCLG) [MRDLG]	State DLR	Range Average	Twin Oaks Valley Water Treatment Plant			
					Range	ND			
Alachlor	ppb	NA	NA	2	Average	ND	Herbicide runoff		
Alleoliaite (t)		NIA	NIA	NIA	Single	86			
Aikainity (t)	ppm	NA	NA	INA	Sample	80	Runoff/leaching from natural denosits:		
Boron	ppb	NL = 1000	NA	100	Sample	120	industrial wastes		
					Single				
Calcium	ppm	NA	NA	NA	Sample	34			
Chlorato	nnh	NII 800	NIA	20	Range	251	By-product of drinking water chlorination;		
Corrosivity (r)	ppp	INL = 800	NA	20	Single	201	Flemental balance in water: affected		
(as Aggressiveness Index)	AI	NA	NA	NA	Sample	12	by temperature, other factors		
Corrosivity (s)	7.0				Single		Elemental balance in water: affected		
(as Saturation Index)	SI	NA	NA	NA	Sample	.11	by temperature, other factors		
					Range	ND	Runoff from insecticide used on crops		
Dimethoate	ppb	NA	NA	0.7	Average	ND	and residential uses		
					Single				
Hardness (t)	ppm	NA	NA	NA	Sample	140			
					Single				
Magnesium	ppm	NA	NA	NA	Sample	14			
					Range	ND			
Metolachlor	ppb	NA	NA	1	Average	ND	Herbicide runoff		
- 1 1	pH	<b>N1</b> 0	NIA	NIA	Range	7.6-8.5			
рн	Units	NA	NA	NA	Average	8.2			
Deteccium		NIA	NA	NIA	Single	3.2			
FOLASSIUITI	ppm	NA	INA	INA	Single	<u>5.2</u>			
Radon (i)	nCi/l	NA	NA	100	Sample	ND			
	poi/E	1.07	1.17.1	100	Single				
Sodium	ppm	NA	NA	NA	Sample	64			
	ppiii				Range	1.9-2.5			
тос	ppm	TT	NA	0.30	Average	2.2	Various natural and man-made sources		
					Single				
Vanadium	ppb	NL = 50	NA	3	Sample	ND	Naturally-occurring; industrial waste discharge		
N-Nitrosodiethylamine					Single		By-product of drinking water chloramination;		
(NDEA)	ppb	NA	NA	0.005	Sample	ND	industrial processes		
N-Nitrosodimethylamine					Single		By-product of drinking water chloramination;		
(NDMA)	ppt	NL = 10	3	2	Sample	2.3	Industrial processes		
N-Nitroso-di-n-butylamine	a a b	NIA	NIA	0.004	Single	ND	By-product of drinking water chloramination;		
(NDBA)	ddd	NA	NA	0.004	Sample	ND	Industrial processes		
	nnh	NA	NA	0.007	Sample	ND	by-product of difficing water chloramination,		
N-Nitrosomethylethylamine	ppb	INA.	IN/A	0.007	Single	ND	By-product of drinking water chloramination:		
(NMFA)	nnh	NA	NA	0.003	Sample	ND	industrial processes		
N-Nitrosopyrrolidine	200		1.47 \	0.000	Single		By-product of drinking water chloramination:		
(NPYR)	dqq	NA	NA	0.002	Sample	ND	industrial processes		
Dichlorodifluoromethane					Range	ND			
(Freon 12)	ppb	NL = 1000	NA	0.5	Average	ND	Industrial waste discharge		
Ethyl-tert-butylether					Range	ND			
(ETBE)	ppb	NA	NA	3	Average	ND	Used as gasoline additive		
tert-Amyl-methylether					Range	ND			
(TAME)	ppb	NA	NA	3	Average	ND	Used as gasoline additive		
tert-Butyl alcohol		NII 40	NIA	0	Single	ND	MIBE breakdown product; used as gasoline		
	000	N  = 12	NA	2	Sample	שמ	ladouive		

		State or				Treatment Plant	Effluent	
Parameter	Units	Federal MCL ( [MRDL] [N	PHG MCLG) MRDLG]	State DLR	Range Average	Twin Oaks V Water Treatme	alley nt Plant	Major Sources in Drinking Water
ABBREVIATIONS AND	COINCIES							
Abbreviations								
AI	Aggressiver	ness Index					N	Nitrogen
AL	Action Level						NA	Not Applicable
CFE	Combined F	ilter Effluent					NL	Notification Level
CFU	Colony-Forn	ning Units	- 1	1. 1			ND	None Detect
LRAA	Locational R	unning Annua	al Averag	je; highesi	t		NIU • Ci/l	Nephelometric Turbidity Units
	LRAA IS the	nignest of all	Location	ai Running	g			picoouries per Liter Bublic Licelth Cast
		ages calculat	eu as ave	erage or a	11		PHG	Public Health Goal
	Disinfection	Draduate	a 12-11101	iin penou			hhn	parts per billion or millioner per liter (µg/L)
DBP	Disinfection	By-Products	( )				ppm	parts per million or milligrams per liter (mg/L)
DLR	Detection Li	mits for purpo	oses of R	eporting			ppq	parts per quadrillion or picograms per liter (pg/L)
HPC	Heterotroph	ic Plate Coun	t				ppt	parts per trillion or nanograms per liter (ng/L)
MBAS	Methylene B	Blue Active Su	Ibstances	6			SI	Saturation Index (Langelier)
MCL	Maximum C	ontaminant L	evel				RAA	Running Annual Average
MCLG	Maximum C	ontaminant L	evel Goa	I			TOC	Total Organic Carbon
MFL	Million Fiber	s per Liter					TON	Threshold Odor Number
MRDL	Maximum R	esidual Disinf	fectant Le	evel			TT	Treatment Technique
MRDI G	Maximum R	esidual Disinf	fectant I e	evel Goal			uS/cm	microSiemen per centimeter: or
								micromho per centimeter (µmho/cm)
Footnotes								
(a)	The turbidity 0.1 NTU in 9 at any time.	v level from th 95% of the me Turbidity is a	e CFE of easureme measure	the meml ents taken e of the clo	branes shall be l each month and oudiness of the v	ess than or equal to shall not exceed 1.0 NTU vater and is an indicator	(m)	TOVWTP met all provisions of the Stage 2 Disinfectants/Disinfection By-Products (D/DBP) Rule. Compliance was based on the LRAA. Average and range for the treatment plant effluent were taken from daily and
	of treatment	performance	) <b>.</b>					monthly samples for TTHM and HAA5.
(b)	Total colifor	m MCLs: No	more tha	in 5.0% of	the monthly san	iples may be	(n)	DLR = 0.5 ppb for each TTHM (bromoform, chloroform, dibromochloromethane,
	total coliform	n-positive. In 2	2019, 287	7 samples	were analyzed	and all samples were	<i>.</i>	bromodichloromethane).
	negative for	total coliform	s. The M	CL was no	ot violated.		(0)	DLR = 1.0 ppb for each HAA5 analyte (dichloroacetic acid, trichloroacetic acid,
(C)	E.coli MCLs	: The occurre	ence of tw	wo (2) con	secutive total co	liform-positive		monobromoacetic acid, and dibromoacetic acid) except for monochloroacetic
	samples, on	e of which co	ntains <i>E.</i>	coli, cons	stitutes an acute	MCL violation.	()	acid which has a DLR = 2.0 ppb.
			]. - and this	- h an a a r h I	have bath prime	n and accorden (	(p)	Running annual average was calculated from quarterly results of monthly and daily
(d)	Aluminum, c	copper, in i be	, and thi	Spencarp	nave both prima	y and secondary	(a)	Samples. Biomate reporting level is 3 ppb.
	Standards.	ting loval in 0	Ennh				(q) (r)	Chromium vi reporting level is 0.03 ppb.
(e) (f)		ling level is 0	.5 ppb.	a Troatma	ont Tochnique ur	dor the Load and	(1)	At is a calculated value that measures the aggressiveness of water transported the very
(1)	Conner Rule	by the requires	svetome	to take wa	ater samples at t			corrective to almost all materials found in a typical water system $\Delta I > 12.0$ indicates
	The action la	avels which t	rinner wa	to take we	ns into takina tra	atment stens		non-aggressive water Al between 10.0 and 11.0 indicates moderately aggressive
	if exceeded	in more than	10% of th	ne tan wat	er samples are	1 3 ppm for copper		water
	and 15 nnh	for lead	1070 01 1		ci sampies, are		(s)	SI measures the tendency for a water to precipitate or dissolve calcium carbonate
(n)	TOVWTP w	as in complia	nce with	all provisio	ons of the State's	Fluoridation	(3)	(a natural mineral in water) Positive indices indicate the tendency to precipitate
(9)	System Reg	wirements						and/or deposit scale on pipes and are assumed to be non-corrosive. Negative
(h)	State MCL is	s 45  mg/l as	nitrate, w	hich equa	ls 10 mg/L as N			indices indicate the tendency to dissolve calcium carbonate and are assumed to
(i)	TOVWTP's	perchlorate re	eportina le	evel is 2 p	pb. which is belo	w the state DLR of 4 ppb.		be corrosive.
(i)	Data collecte	ed (annually)	from four	consecut	ive quarters of n	onitoring in 2013.	(t)	Alkalinity and hardness was based on CaCO <sub>3</sub>
	TOVWTP's	required trien	nial moni	toring (20	16-2019) was pe	rformed in 2016	.,	
(k)	The gross b	eta particle ad	ctivity MC	L is 4 mill	lirem/year annua	l dose equivalent		
	to the total b	ody or any int	ternal ord	an. The s	screening level is	50 pCi/L.		
					-			