SAINT PAUL REGIONAL WATER SERVICES

PHYSICAL AND CHEMICAL ANALYSIS OF WATER

AUG 2020

All results are in parts per million & Samples Measured are Dissolved Ions. Analytes with Nelac Lab Cert No. are Nelac Accredited analytes

Calor (Color Units) 4 -4 Hach Method 8025 Song Ingtition (ppm) 84 140 SM 2540 E Importance Toral Balls (ppm) 84 140 SM 2540 E Importance Toral Dissolved Solids (ppm) 140 180 SM 2540 C-97 1731662 Torabidity (NTU) 0.020 0.031 SM 2130 B-94 1791662 ChEMICAL WATER QUALITY Reporting Limit EFFLUEINT Method Reference Nelac Lab Cert. No Mikalnity-Total (ppm as CaCO ₂) 0.40 63 SM 2340 C SM 2340 C Disolved Oxygen (ppm) 12 6.9 SM 4500-H b-96 1191662 VenC-Carbonate Hardness (ppm as CaCO ₂)-EDTA method 0.40 84 SM 2340 C 1791662 Total Hardness (ppm as CaCO ₂)-EDTA method # 40 2.00 4.27 SM 3230 B (Online) 1791662 Total Inderdes (ppm as CACO ₂)-EDTA method # 40 2.00 4.27 SM 3230 C 1791766 Total Inderdes (ppm as SA) 0.050 -0.056 EFFLUEINT Method Reference Nelac Lab Cert. No Maro	PHYSICAL WATER QUALITY				
costs grintion (ppm) B4 SM 2540 E Foral Dissolved Solids (ppm) 140 SM 2540 C-93 1791662 Total Dissolved Solids (ppm) 140 180 SM 2540 C-93 1791662 Trobidity (NTU) 0.020 0.031 SM 2130 B-94 1791662 CHEMICAL WATER OUALITY 0.020 0.031 SM 2300 B 1791662 Stabonate Hardness (ppm as CaCO ₃) 0.40 63 SM 2300 B 1791662 Stabonate Hardness (ppm as CaCO ₃) 0.40 63 SM 2300 C 1791662 Stabonate Hardness (ppm as CaCO ₃) 0.40 21 SM 2300 C 1791662 Total Graphic Carbon (ppm as C) 2.00 4.21 SM 2340 C 1791662 Total Ardness (ppm as CaCO ₃) 0.40 21 SM 2340 C 1791662 Total Ardness (ppm as CaCO ₃) 0.40 21 SM 2340 C 17917662 Total Ardness (ppm as CaCO ₃) 0.40 21 SM 2340 C 1791766 Total Ardness (pam as N) 0.020 1.026 Hach 10205 17917766		Reporting Limit	EFFLUENT	Method Reference	Nelac Lab Cert. No.
Non-Valaile Salts (ppm) 84 140 SM 2550 E Temperature (°C) 0.02 26 SM 2550 B-83 1791662 Orab Dissolved Solids (ppm) 140 180 SM 2540 C-97 1791662 Turbisity (NTU) 0.020 0.031 SM 2100 B-94 1791662 Chell/CAL WATER QUALITY Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Kelainity-Total (ppm as CaCO ₂) 0.40 63 SM 2300 C 200 Carbonate Hardness (ppm) 1.2 6.9 SM 4500-0 G (20th) 1791662 Viprogen Ion-PH 0.04 9.05 SM 4500-0 G (20th) 1791662 Vior-Carbonate Hardness (ppm) 0.40 84 SM 2300 C 1791662 Total Hardness (ppm as CCO ₂)=EDTA method 0.40 84 SM 2340 C 1791662 Total Hardness (ppm as CO) 2.00 4.27 SM 5310 B (Online) 1791662 Total Hardness (ppm as C) 0.020 1.026 Hach 10205 1791786 CHEMICAL WATER QUALITY - INORGANIC NONMETALS SM 5300 C FEPA 300.0<	Color (Color Units)	4	<4	Hach Method 8025	
Imperature (°C) 0.02 26 SM 2560 B-33 1791662 Total Dissolved Solids (ppm) 140 180 SM 2540 C-97 1791662 Tubidity (NTU) 0.020 0.031 SM 2540 C-97 1791662 CHEMICAL WATER QUALITY Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Vision Carbonate Hardness (ppm as CaCO ₂) 0.40 63 SM 2340 C 50000 50000 50000 50000 50000 50000 50000 50000 50000 50000 50000 500000 50000 50000 50000 50000 50000 50000 50000 50000 50000 50000 50000 50000 500000 50000 500000 50000 50000 50000 50000 500000 500000 500000 500000 500000 50000000 5000000000 5000000000000000000000000000000000000	Loss Ignition (ppm)	84	<84	SM 2540 E	
Total Disolved Solids (ppm) 140 180 SM 2540 C-97 1791662 CHEMICAL WATER QUALITY 0.020 0.031 SM 2130 B-94 1791662 CHEMICAL WATER QUALITY Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Kalanity-Total (ppm as CaCO ₃) 0.40 63 SM 23208 Nelac Lab Cert. No Sisolved Oxygen (ppm) 1.2 6.9 SM 4500-H xe B-96 1791662 Sisolved Oxygen (ppm) 0.40 84 SM 2340 C 1791662 Vion-Carbonate Hardness (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C 1791662 Vion-Carbonate Gravin (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C 1791662 Total Hardness (ppm as CaCO ₃)-EDTA method 0.40 84 SM 5310 B (Online) 1791662 Chell Actiones (paint Carbon (ppm as C) 2.00 4.27 SM 5310 B (Online) 1791662 Chell Actiones (ppm as S) 0.020 1.026 Hach 10205 1791786 Chell Actiones (ppm as S) 0.020 1.026 Hach 10205 1791786	Non-Volatile Salts (ppm)	84	140	SM 2540 E	
Durbidity (NTU) 0.020 0.031 SM 2130 B-94 1731662 CHEMICAL WATER QUALITY Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Kkalinity-Total (ppm as CaCO ₃) 0.40 63 SM 2340 C SM 2340 C Zarbonate Hardness (ppm as CaCO ₃) 0.40 9.05 SM 4500-04 B-96 1791662 Von-Carbonate Hardness (ppm as CaCO ₃)-EDTA method 0.40 21 SM 2340 C 1791662 Otal Argenic Carbon (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C 1791662 Total Hardness (pmix Gat as CaCO ₃)-EDTA method 0.40 84 SM 2340 C 1791662 Total Argenic Carbon (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C 1791662 Total Argenic Carbon (ppm as N) 0.020 1.026 Hach 10205 1791786 Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 17917862 Subtorninceiter Das Cr ¹) 8 36 SM 4500-CLB 20th) Analysteal Subtorninceiter Das Sr 0.025 -0.05 EPA 300.0 Analysteal <td>Temperature (⁰C)</td> <td>0.02</td> <td>26</td> <td>SM 2550 B-93</td> <td>1791662</td>	Temperature (⁰ C)	0.02	26	SM 2550 B-93	1791662
CHEMICAL WATER QUALITY Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Alkalinity-Total (ppm as CaCO ₃) 0.40 63 SM 23208 International Control (ppm as CaCO ₃) 0.40 63 SM 4500-O G (20th) International Control (ppm as CaCO ₃) 0.40 63 SM 4500-O G (20th) International Control (ppm as CaCO ₃) 0.40 84 SM 2340 C International Control (ppm as CaCO ₃) 10.40 84 SM 2340 C International Control (ppm as CaCO ₃) 10.40 84 SM 2340 C International Control (ppm as CaCO ₃) 10.40 84 SM 2340 C International Control (ppm as CaCO ₃) 10.40 84 SM 2340 C International Control (ppm as CaCO ₃) 1791662 International Control (ppm as CaCO ₃) 10.20 1.026 Hach 1020 International Control (ppm as CaCO ₃) International Control (ppm as CaCO ₃) 10.050 <0.05	Total Dissolved Solids (ppm)	140	180		1791662
Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Alkalinity-Total (ppm as CaCO ₃) 0.40 63 SM 2340 C Dissolved Oxygen (ppm) 1.2 6.9 SM 4500 O (20th) hydrogen lon-pH 0.04 9.05 SM 4500 O (20th) hydrogen lon-pH 0.40 21 SM 2340 C Total Argenic Carbon (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C Total Argenic Carbon (ppm as CaCO ₃)-EDTA method 0.40 84 SM 2340 C Total Argenic Carbon (ppm as CaCO ₃)-EDTA method 1791662 SM 4500 CH 1791662 Total Argenic Carbon (ppm as CaCO ₃)-EDTA method 8.491 SM 2340 C 1791786 CHEMICAL WATER QUALITY - INORGANIC NOMMETALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Armonia Nitrogen (ppm as Br-1) 0.050 <0.05	Turbidity (NTU)	0.020	0.031	SM 2130 B-94	1791662
Alkalini/Total (ppm as CaCO ₃) 0.40 63 SM 2340 C Carbonate Hardness (ppm as CaCO ₃) 0.40 63 SM 4500-O G (20th) Sisolved Oxygen (ppm) 1.2 6.9 SM 4500-O G (20th) VonCarbonate Hardness (ppm) 0.40 9.05 SM 4500-O G (20th) VonCarbonate Hardness (ppm) 0.40 2.1 SM 2340 C Total Hardness (ppm as CaCO ₂)-EDTA method is 4.91 Total Hardness (ppm as CaCO ₂)-EDTA method is 4.91 Total Hardness (ppm as CaCO ₂)-EDTA method is 4.91 CHEMICAL WATER QUALITY - INORGANIC NONMETALS EFFLUENT Method Reference Netac Lab Cart. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 T791786 Simonide (ppm as Br-1) 0.050 <0.05	CHEMICAL WATER QUALITY				
Carbonate Hardness (ppm as CaCO ₃) 0.40 63 SM 240 C Dissolved Oxgen (ppm) 1.2 6.9 SM 4500-0 G (20th) Vigrogen (norp,H 0.04 9.05 SM 4500-H-B-96 1791662 Von-Carbonate Hardness (ppm as CQ-)-EDTA method 0.40 84 SM 2340 C 1791662 Total Darganic Carbon (ppm as C) 2.00 4.27 SM 5310 B (Online) 1791662 Total Variences (genia/Cal & CaCO)-EDTA method is 491 CHEMICAL WATER OUALITY - INORGANIC NOMMETALS Nethod Reference Netac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Harch 10205 1791786 Subcontracted to Pace Amytical Amytical Amytical Amytical Stronder Cl (ppm as Br-1) 0.055 <0.05		Reporting Limit	EFFLUENT	Method Reference	Nelac Lab Cert. No.
Dissolved Oxygen (ppm) 1.2 6.9 SM 4500-O G (20th) fydrogen lon-pH 0.04 9.05 SM 4500-O G (20th) rotal Bardness (ppm as CaCO_)-EDTA method 0.40 84 SM 2340 C Total Hardness (ppm as CaCO_)-EDTA method is 491 2.00 4.27 SM 5310 B (Online) 1791662 Total Handness (grains/Cait & CaCO_)-EDTA method is 491 EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Stromide (ppm as Br-1) 0.050 <0.05	Alkalinity-Total (ppm as CaCO ₃)	0.40	63	SM 2320B	
Dissolved Oxygen (ppm) 1.2 6.9 SM 4500-O G (20th) Hydrogen lon-pH 0.04 9.05 SM 4500-H 8-96 1791662 Non-Carbonate Hardness (ppm as CaCO ₂)-EDTA method 0.40 84 SM 2340 C Interfaces (prima SCaCO ₂)-EDTA method is 491 Total Indendes (grains/Gat a CaCO ₂)-EDTA method is 491 EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Subcontracted to Pace SM 4500-CLe (20th) Subcontracted to Pace Analytical Chindle-Cl (ppm as Br-1) 0.050 <0.05	Carbonate Hardness (ppm as CaCO ₃)	0.40	63	SM 2340 C	
tydrogen Ion-pH 0.04 9.05 SM 4500-H+ B-96 1791662 Von-Carbonate Hardness (ppm as CaCO ₃)-EDTA method 0.40 21 SM 2340 C Intervention		1.2	6.9	SM 4500-O G (20th)	
Non-Carbonate Hardness (ppm) 0.40 21 M 2340 C Total Hardness (ppm as CaCO ₂)-EDTA method 0.40 84 SM 2340 C Total Indraness (primix/Cal as CaCO ₂)-EDTA method is 4.91 2.00 4.27 SM 5310 B (Online) 1791662 Total Indraness (primix/Cal as CaCO ₂)-EDTA method is 4.91 EFFLUENT Method Reference Nelac Lab Cert. No CHEMICAL WATER QUALITY - INORGANIC NONMETALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Armonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Subcontracted to Pace Arrange (ppm as Cl ⁻¹) 8 36 SM 4500-CL-B (20th) Arrange (ppm as Cl ⁻¹) 8 36 SM 4500-CL-B (20th) 1791786 Subtrontracted to Pace Arrange (ppm as Cl ⁻¹) 0.085 3.39 Hach 10101 1791786 Subtros (ppm as S ⁻¹) 0.085 3.39 Hach 10101 1791786 Subtros (ppm as S ⁻¹) 0.08 0.70 EPA 353.2 1791662 Sulfurs (ppm as S ⁻¹) 0.020 <0.250		0.04			1791662
Total Hardness (ppm as CaCO ₃)-BDTA method 0.40 84 SM 2340 C Total Organic Carbon (ppm as C) 2.00 4.27 SM 6310 B (Online) 1791662 Total Markness (graix/Ga ac CoC)-EDTA method is 4.91 EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791766 Ammonia Nitrogen (ppm as S) 0.050 <.0.05					
Total Organic Carbon (ppm as C) 2.00 4.27 SM 5310 B (Online) 1731662 Total Hardness (grains/Gal as CaCO p)-EDTA method is 4.91 Control Contend Control Control Control Cont Control Contend Co		0.40	84		
Total Hardness (grains/Gal as CaCO.)-EDTA method is 4.91 CHEMICAL WATER QUALITY - INORGANIC NONMETALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Stromide (ppm as Br-1) 0.050 <0.05					1791662
CHEMICAL WATER QUALITY - INORGANIC NONMETALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Bromide (ppm as Br-1) 0.050 <0.05					
Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 1791786 Bromide (ppm as Br-1) 0.050 <0.05					
Ammonia Nitrogen (ppm as N) 0.020 1.026 Hach 10205 Bromide (ppm as Br-1) 0.050 <0.05				Method Reference	Nelac Lab Cert No
Bit Stress Stres Stre	Ammonia Nitrogen (ppm as N)				
Bromide (ppm as Br-1) 0.050 <0.05 EPA 300.0 Analytical Chloride-C1 (ppm as Cl ¹) 8 36 SM 4500-CL-B (20th) Chloride-C1 (ppm as Cl ¹) 0.085 3.39 Hach 10101 Image: Cloride-C1 (ppm as Cl ¹) 0.088 0.70 EPA 302.0 EPA 353.2 1791662 Sulfate (ppm as SO ₄) 2.7 13.2 Hach 8051 Image: Cloride-C1 (ppm as SO ₄) Image: Cloride-C1 (ppm as Cloride-C1 (ppm		0.020	1.020		1791786
Chloride-Cl (ppm as Cl ⁻¹) 8 36 SM 4500-CL-B (20th) Chlorine Residual (ppm Cl as Cl ₂) 0.085 3.39 Hach 10101 Chlorine Residual (ppm Cl as Cl ₂) 0.085 3.39 Hach 10101 Strate, Nitrite Nitrogen (ppm as N) 0.250 <0.250					Subcontracted to Pace
Chlorine Residual (ppm Cl as Cl ₂) 0.085 3.39 Hach 10101 Fluoride-F (ppm as F ⁻¹) 0.08 0.70 EPA 9214 Vitrate, Nitrite Nitrogen (ppm as N) 0.250 <0.250	······································	0.050	<0.05	EPA 300.0	Analytical
Iuoride-F (ppm as F ⁺) 0.08 0.70 EPA 9214 Nitrate, Nitrite Nitrogen (ppm as N) 0.250 <0.250	Chloride-Cl (ppm as Cl ⁻¹)	8	36	SM 4500-CL-B (20th)	
Nitrate, Nitrite Nitrogen (ppm as N) 0.250 <0.250 EPA 353.2 1791662 Sulfate (ppm as S0,4) 2.7 13.2 Hach 8051 Image: Solid S	Chlorine Residual (ppm Cl as Cl ₂)	0.085	3.39	Hach 10101	
Nitrate, Nitrite Nitrogen (ppm as N) 0.250 <0.250 EPA 353.2 1791662 Sulfate (ppm as S0,4) 2.7 13.2 Hach 8051 Image: Solid S	Fluoride-F (ppm as F ⁻¹)	0.08	0.70	EPA 9214	
Sulfate (ppm as SO ₄) 2.7 13.2 Hach 8051 Sulfur-S (ppm as S) 2.7 4.4 Hach 8051 Sulfue-S ² (ppm as S ²) 0.020 <0.02					1791662
Sulfur-S (ppm as S) 2.7 4.4 Hach 8051 Sulfide-S ²⁻ (ppm as S ²⁻) 0.020 <0.02		2.7	13.2	Hach 8051	
Sulfide-S ^{2*} (ppm as S ²) 0.020 <0.02 Hach 8131 Total Phosphorus-P (ppm as P) 0.025 <0.025					
Total Phosphorus-P (ppm as P) 0.025 <0.025 EPA 365.1 1791662 Total Nitrogen-N (ppm as N) 0.200 0.66 SM 5310 B - Modified CHEMICAL WATER QUALITY - METALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Aluminum-Al (ppm as Al) 0.0009 0.0097 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 0.0006 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 <0.0001					
Total Nitrogen-N (ppm as N) 0.200 0.66 SM 5310 B - Modified CHEMICAL WATER QUALITY - METALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Aluminum-Al (ppm as Al) 0.0009 0.0097 EPA 200.8 1791662 Arsenic-As (ppm as As) 0.0001 0.0006 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 <0.0001					1791662
CHEMICAL WATER QUALITY - METALS Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No. Aluminum-AI (ppm as AI) 0.0009 0.0097 EPA 200.8 1791662 Arsenic-As (ppm as As) 0.0001 0.0006 EPA 200.8 1791662 Cadinum-Cd (ppm as Cd) 0.0001 <0.0001					1101002
Reporting Limit EFFLUENT Method Reference Nelac Lab Cert. No Aluminum-Al (ppm as Al) 0.0009 0.0097 EPA 200.8 1791662 Arsenic-As (ppm as As) 0.0001 0.0006 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 <0.0001		0.200	0.00		
Aluminum-Al (ppm as Al) 0.0009 0.0097 EPA 200.8 1791662 Arsenic-As (ppm as As) 0.0001 0.0006 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 <0.0001		Reporting Limit	FEFLUENT	Method Reference	Nelac Lab Cert, No.
Arsenic-As (ppm as As) 0.0001 0.0006 EPA 200.8 1791662 Cadmium-Cd (ppm as Cd) 0.0001 <0.0001	Aluminum-Al (ppm as Al)				
Cadmium-Cd (ppm as Cd) 0.0001 <0.0001 EPA 200.8 1791662 Calcium-Ca (ppm as Ca) 0.4000 22 SM 2340 C SM 2340 C Copper-Cu (ppm as Cu) 0.0008 0.0017 EPA 200.8 1791662 Hexavalent Chromium (ppm as Cr ⁶⁺) 0.0400 <0.04					
Calcium-Ca (ppm as Ca) 0.4000 22 SM 2340 C Copper-Cu (ppm as Cu) 0.0008 0.0017 EPA 200.8 1791662 Hexavalent Chromium (ppm as Cr ⁶⁺) 0.0400 <0.04					
Copper-Cu (ppm as Cu) 0.0008 0.0017 EPA 200.8 1791662 Hexavalent Chromium (ppm as Cr ⁶⁺) 0.0400 <0.04	<u> </u>				
Hexavalent Chromium (ppm as Cr ⁶⁺) 0.0400 <0.04 Hach 8023 ron-Fe (ppm as Fe) 0.0052 <0.0052					1791662
ron-Fe (ppm as Fe) 0.0052 <0.0052 EPA 200.8 Lead-Pb (ppm as Pb) 0.0001 <0.0001					
Lead-Pb (ppm as Pb) 0.0001 <0.0001 EPA 200.8 1791662 Magnesium-Mg (ppm as Mg) 0.4000 6 SM 2340 C Manganese-Mn (ppm as Mn) 0.0002 <0.0002					
Magnesium-Mg (ppm as Mg) 0.4000 6 SM 2340 C Manganese-Mn (ppm as Mn) 0.0002 <0.0002					1791662
Manganese-Mn (ppm as Mn) 0.0002 <0.0002 EPA 200.8 1791662 Silicon-Si (ppm as Si) NA NA EPA 200.8 Sodium-Na (ppm as Na) 0.0007 22.19 EPA 200.8 Strontium-Sr (ppm as Sr) 0.0001 0.0690 EPA 200.8 Zinc-Zn (ppm as Zn) 0.0002 0.0013 EPA 200.8 1791662 MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662					
Silicon-Si (ppm as Si) NA NA EPA 200.8 Sodium-Na (ppm as Na) 0.0007 22.19 EPA 200.8 Strontium-Sr (ppm as Sr) 0.0001 0.0690 EPA 200.8 Zinc-Zn (ppm as Zn) 0.0002 0.0013 EPA 200.8 MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Manganese-Mn (ppm as Mn)				1791662
Sodium-Na (ppm as Na) 0.0007 22.19 EPA 200.8 Strontium-Sr (ppm as Sr) 0.0001 0.0690 EPA 200.8 Zinc-Zn (ppm as Zn) 0.0002 0.0013 EPA 200.8 MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Silicon-Si (ppm as Si)				
Strontium-Sr (ppm as Sr) 0.0001 0.0690 EPA 200.8 Zinc-Zn (ppm as Zn) 0.0002 0.0013 EPA 200.8 1791662 MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Sodium-Na (ppm as Na)				
Zinc-Zn (ppm as Zn) 0.0002 0.0013 EPA 200.8 1791662 MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Strontium-Sr (ppm as Sr)	0.0001		EPA 200.8	
MICROBIOLOGY WATER QUALITY Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Zinc-Zn (ppm as Zn)	0.0002			1791662
Number of Samples EFFLUENT Method Reference Nelac Lab Cert. No. Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	MICROBIOLOGY WATER QUALITY				
Total Coliform Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662		Number of Samples	EFFLUENT	Method Reference	Nelac Lab Cert. No.
E. Coli Count 35°C/100 ml 240 Absent SM 9223 B-97 (IDEXX Colilert) 1791662	Total Coliform Count 35°C/100 ml				1791662
	E. Coli Count 35°C/100 ml	240	Absent	SM 9223 B-97 (IDEXX Colilert)	1791662

