

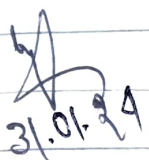
Sample Requisition no: RDKL/NW/232A/SR00103
 Allocation date: 24.01.24
 Test start date: 24.01.24
 Test end date: 24.01.24
 Parameter: pH & TSS
 Due date: 31.01.24
 Name of supervisor: Md. A. Rafique

Sr no.	Sample Code	pH value	Temp (°C)
01.	Std	pH 4.0 = 3.98	29
02.	Std	pH 7.0 = 7.0	29.5
03.	Std	pH 9.18 = 9.16	29.9
04.	L00353	6.3	25
05.	L00354	7.6	24.8
06.	L00355	7.2	25.1

Sample Code	I. WT of F.P (gm) (A)	F. WT of F.P (gm) (B)	Diff (gm) (C)	Sample pan (ml) (D)	TSS (mg/L)
L00353	0.0894	0.1011			
	0.0895	0.1012			
	0.0895	0.1012	0.0117	100	117
L00354	0.0902	0.0920			
	0.0903	0.0920			
	0.0904	0.0921	0.0017	100	17
L00355	0.0894	0.0921			
	0.0896	0.0921			
	0.0896	0.0921	0.0025	100	25

$$TSS (mg/L) = \left[\frac{C}{D} \right] \times 10^6$$

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 26.01.24


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Sample Registration No.: RDKL/WH/232A/SR00103

Allocation Date: 24.01.24

Test Start Date: 24.01.24

Test End Date: 25.01.24

Parameter: TDS

Due Date: 31.01.24

Name of supervisor: Md. A. Rafique

Sample Code	I. No. of Beaker (gm)	F. No. of Beaker (gm)	Diff (gm)	Sample Purity (ml)	TDS (mg/l)
L00353	57.2809	57.5001			
	57.2810	57.5003			
	57.2810	57.5003	0.2193	100	2193
L00354	49.2785	49.3172			
	49.2785	49.3173			
	49.2785	49.3173	0.0388	100	388
L00355	57.2901	57.4029			
	57.2902	57.4029			
	57.2903	57.4029	0.1126	100	1126

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27.01.24

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Sample Repetition NO: RDKL/WW/232A/SR00103
 Allocation Date: 29.01.24
 Test Start Date: 29.01.24
 Test End Date: 29.01.24
 Parameter: Chloride (Cl^-)
 Due Date: 31.01.24
 Name of supervisor: Md. A. Rafique

Standardization of $AgNO_3$

10ml of 0.0141 (N) NaCl is consumed by 10.1 ml of $AgNO_3$.

$$\therefore \text{Strength of } AgNO_3 \text{ is } = \frac{(10 \times 0.0141)}{10.1} = 0.0140 (N)$$

Sl No	Sample Code	Dilution	Volume of sample	F.R	I.R	Volume of Consumed	Chloride Conc. (mg/L)
01.	232A/RDKL/WW/WW/L00353	Direct	50ml	> 15ml	Excess	-	-
02.	"	"	25ml	> 15ml	"	-	-
03.	"	"	10ml	> 15ml	Excess	-	-
04.	"	10D	50ml	11.5	0	11.5	1099.6 ≈ 1100
05.	Blank	Direct	50ml	12	11.5	0.5	-
06.	232A/RDKL/WW/WW/L00354	"	50ml	8	0	8	79.9 ≈ 80
07.	232A/RDKL/WW/WW/L00355	Direct	50ml	> 15ml	Excess	-	-
08.	"	"	25ml	> 15ml	"	-	-
09.	"	"	10ml	7.7	0	7.7	389.8 ≈ 385

$$\text{Calculation} = \left[\frac{(B - A) \times N \times 35450}{\text{ml of sample taken}} \right]$$

B = $AgNO_3$ is consumed by sample.

A = $AgNO_3$ is consumed by blank.

N = Normality of $AgNO_3$.

Rafiq Mandol.
26.01.24

31.01.24