CHEMTECH

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB127664

Analysis Date: 10/06/2023

BOD Water: WP104560

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP102923

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP104562

NaOH, 1N: WP103989

GGA: WP104561

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3056

Zero DO: WP104465

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.90 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.35 Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

CHEMTECH

QC BATCH ID: LB127664

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 13:00

TIME OUT: 10:30

DATE IN: 10/06/2023

DATE OUT: 10/11/2023

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB127664BL	1	No	6.77	N/A	20.60	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.37	6.44	2.93	0.59	0.57	
POLYSEED	2					15	9.35	5.03	4.32	0.58		
POLYSEED	3					20	9.33	4.01	5.32	0.53		
GGA	1					6	9.38	5.16	4.22	182.5	195.67	
GGA	2					6	9.38	4.89	4.49	196		
GGA	3					6	9.37	4.63	4.74	208.5		
O4778-10	1	No	7.20	N/A	20.70	5	9.38	8.69	-	0	11.46	
O4778-10	2					20	9.17	7.65	-	0		
O4778-10	3					50	8.63	6.15	2.48	11.46		
O4778-10	4					150	5.79	0.32	-	0		
O4778-10DUP	1	No	7.20	N/A	20.70	5	9.36	8.59	-	0	12.54	
O4778-10DUP	2					20	9.15	7.53	-	0		
O4778-10DUP	3					50	8.60	5.94	2.66	12.54		
O4778-10DUP	4					150	5.76	0.26	-	0		
O4789-01	1	No	6.41	6.66	20.00	5	9.32	6.01	3.31	164.4	73.14	pH Adjuste
O4789-01	2					20	8.98	2.50	6.48	88.65		
O4789-01	3					50	8.28	2.11	6.17	33.6		
O4789-01	4					150	5.24	1.72	3.52	5.9		
O4789-02	1	No	7.10	N/A	20.00	5	9.41	8.04	-	0	14.19	
O4789-02	2					20	9.22	7.59	-	0		
O4789-02	3					50	8.99	5.71	3.28	16.26		
O4789-02	4					150	8.27	1.64	6.63	12.12		
O4789-05	1	No	6.58	N/A	20.00	5	9.33	8.02	-	0	23.57	
O4789-05	2					20	8.99	5.97	3.02	36.75		
O4789-05	3					50	8.23	2.82	5.41	29.04		
O4789-05	4					150	4.98	1.95	3.03	4.92		
O4789-06	1	No	7.18	N/A	20.30	5	9.00	7.31	-	0		
O4789-06	2					20	7.88	6.02	-	0		
O4789-06	3					50	3.01	2.88	-	0		
O4789-06	4					150	2.33	2.03	-	0		
O4789-07	1	No	7.19	N/A	20.00	5	9.00	7.40	-	0	28.05	
O4789-07	2					20	7.12	4.68	2.44	28.05		
O4789-07	3					50	4.43	3.01	-	0		
O4789-07	4					150	2.43	0.28	-	0		
O4789-08	1	No	6.86	N/A	20.00	5	9.17	6.99	2.18	96.6	92.25	
O4789-08	2					20	8.18	1.75	6.43	87.9		
O4789-08	3					50	6.06	0.34	-	0		
O4789-08	4					150	2.16	0.24	-	0		
O4789-09	1	No	6.76	N/A	20.10	5	9.02	5.31	3.71	188.4	136.5	
O4789-09	2					20	7.52	1.31	6.21	84.6		

O4789-09	3					50	4.10	0.33	-	0		
O4789-09	4					150	0.17	0.14	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.
NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

Lb127664

WorkList Name : bod5-10-06 **WorkList ID :** 174311 **Department :** Wet-Chemistry **Date :** 10-06-2023 08:03:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4778-10	NBS-GROUNDWATER	Water	BOD5	Cool 4 deg C	PSEG03	H11	10/05/2023	SM5210 B
O4789-01	LDET-5	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-02	LCOL-5	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-05	LDET-7-9	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-06	LCOL-7-9	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-07	LDET-2	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-08	LDET-10	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B
O4789-09	LCOL-10	Water	BOD5	Cool 4 deg C	LOCK01	E22	10/05/2023	SM5210 B

Date/Time 10/06/2023 11:00

Raw Sample Received by: RM CWC

Raw Sample Relinquished by:

Date/Time 10/06/2023 1300

Raw Sample Received by:

Raw Sample Relinquished by: RM CWC