

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: Iwona

Analysis Date: 07/14/2022

QC BATCH ID: LB121093

BOD Water: WP97907

Starch: W2766

Sulfuric acid, 1N: WP94324

POLYSEED: WP97909

GGA: WP97908

Chlorine Strips: W2011

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP97250

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP97672

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.9	8.9	8.95
WINKLER 2	WINKLER 2	2	300	8.9	17.9	9	8.95

Meter Calibration1: 8.81

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.09 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.90

After Incubation

Meter Calibration2: 8.54

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.09 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.70

QC BATCH ID: LB121093

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 18:25

TIME OUT: 12:00

DATE IN: 07/14/2022

DATE OUT: 07/19/2022

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
LB121093BL	1	No	6.4	N/A	21.20	300	8.88	8.75	0.13	0.13	0.13	
POLYSEED	1					10	8.88	4.60	4.28	0.86	0.81	
POLYSEED	2					15	8.86	2.44	6.42	0.86		
POLYSEED	3					20	8.85	1.70	7.15	0.72		
GGA	1					6	8.80	3.73	5.07	213	190.83	
GGA	2					6	8.82	4.30	4.52	185.5		
GGA	3					6	8.83	4.54	4.29	174		
N3683-01	1	No	5.22	7.20	25.20	0.05	8.90	6.58	2.32	9060	6440	pH Adjusted
N3683-01	2					0.1	8.86	5.98	2.88	6210		
N3683-01	3					0.2	8.85	5.34	3.51	4050		
N3683-01	4					0.5	8.83	0.62	-	0		
N3683-01	5					1	8.81	0.36	-	0		
N3703-02	1	No	7.02	N/A	20.10	0.5	8.81	7.03	-	0	373.17	
N3703-02	2					1	8.79	6.55	2.24	429		
N3703-02	3					2	8.78	5.42	3.36	382.5		
N3703-02	4					3	8.76	4.87	3.89	308		
N3706-01	1	No	8.43	7.20	22.30	5	8.76	7.69	-	0	5.74	pH Adjusted
N3706-01	2					20	8.75	7.27	-	0		
N3706-01	3					50	8.69	6.49	2.2	8.34		
N3706-01	4					150	8.43	6.05	2.38	3.14		
N3707-01	1	No	6.99	N/A	25.00	5	8.80	7.53	-	0	6.65	
N3707-01	2					20	8.72	7.03	-	0		
N3707-01	3					50	8.55	6.11	2.44	9.78		
N3707-01	4					150	8.00	5.43	2.57	3.52		
N3707-01DUP	1	No	6.99	N/A	25.00	5	8.82	7.55	-	0	6.62	
N3707-01DUP	2					20	8.75	7.05	-	0		
N3707-01DUP	3					50	8.58	6.15	2.43	9.72		
N3707-01DUP	4					150	8.02	5.45	2.57	3.52		
N3711-09	1	No	9.05	7.20	20.60	5	8.79	7.17	-	0	13.16	pH Adjusted
N3711-09	2					20	8.72	6.22	2.5	25.35		
N3711-09	3					50	8.52	5.97	2.55	10.44		
N3711-09	4					150	7.85	5.20	2.65	3.68		
N3717-01	1	No	8.03	7.20	21.20	2	8.75	7.93	-	0	31.57	pH Adjusted
N3717-01	2					10	8.72	6.05	2.67	55.8		
N3717-01	3					50	8.70	4.26	4.44	21.78		
N3717-01	4					100	8.68	2.16	6.52	17.13		

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

WORKLIST(Hardcopy Internal Chain)

LB121093

WorkList Name : bod71422 WorkList ID : 161350 Department : Wet-Chemistry Date : 07-14-2022 09:24:44

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
07/15/2022	Water	N3706-01	C BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	07/13/2022	SM5210 B
07/15/2022	Water	N3703-02	A BOD5	Cool 4 deg C	ARAM01	G11	COMP	07/13/2022	SM5210 B
07/16/2022	Water	N3717-01	B BOD5	Cool 4 deg C	M&MM01	G11	1C	07/14/2022	SM5210 B
07/14/2022	Water	N3683-01	✓ BOD5	Cool 4 deg C	MAJO01	G11	DRAIN-WATER-TANK-1	07/12/2022	SM5210 B
07/15/2022	Water	N3707-01	⊖ BOD5	Cool 4 deg C	PSEG03	G11	N48967	07/13/2022	SM5210 B
07/15/2022	Water	N3711-09	J BOD5	Cool 4 deg C	PSEG03	G11	1-4-TOTES-COMP	07/13/2022	SM5210 B

Date/Time 07/14/22 17:45
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: MCO

Date/Time 07/14/22 18:30
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: KS (WC)