

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/11/2023**QC BATCH ID:** LB125418**BOD Water:** WP102415**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102417**GGA:** WP102416**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP102042

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: 8.81

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.84

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB125418

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 13:40

TIME OUT: 12:30

DATE IN: 05/11/2023

DATE OUT: 05/16/2023

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
LB125418BL	1	No	6.70	N/A	20.60	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.46	6.28	3.18	0.64	0.6	
POLYSEED	2					15	9.44	4.98	4.46	0.59		
POLYSEED	3					20	9.42	3.72	5.7	0.57		
GGA	1					6	9.40	4.62	4.78	209	221.17	
GGA	2					6	9.35	4.32	5.03	221.5		
GGA	3					6	9.32	4.06	5.26	233		
O2736-02	1	No	6.57	N/A	20.00	0.5	9.43	8.47	-	0	450.33	
O2736-02	2					1	9.34	6.52	2.82	666		
O2736-02	3					2	9.26	6.48	2.78	327		
O2736-02	4					3	9.12	4.94	4.18	358		
O2736-02DUP	1	No	6.57	N/A	20.00	0.5	9.42	8.46	-	0	450.33	
O2736-02DUP	2					1	9.33	6.51	2.82	666		
O2736-02DUP	3					2	9.25	6.47	2.78	327		
O2736-02DUP	4					3	9.13	4.95	4.18	358		
O2737-01	1	No	8.25	7.43	20.00	5	9.41	6.89	2.52	115.2	39.92	pH Adjusted
O2737-01	2					20	9.40	6.87	2.53	28.95		
O2737-01	3					50	9.39	6.85	2.54	11.64		
O2737-01	4					150	9.38	6.84	2.54	3.88		
O2742-01	1	No	7.37	N/A	20.10	5	9.45	8.86	-	0		
O2742-01	2					20	9.40	8.56	-	0		
O2742-01	3					50	9.39	8.55	-	0		
O2742-01	4					150	9.38	7.55	-	0		
O2743-07	1	No	7.47	N/A	20.00	5	9.38	8.97	-	0		
O2743-07	2					20	9.28	8.52	-	0		
O2743-07	3					50	9.15	8.23	-	0		
O2743-07	4					150	8.80	7.79	-	0		
O2744-01	1	No	9.30	7.34	20.10	5	9.13	1.79	7.34	404.4	254.17	pH Adjusted
O2744-01	2					20	8.95	1.42	7.53	103.95		
O2744-01	3					50	7.80	0.72	-	0		
O2744-01	4					150	3.35	0.22	-	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)

66125418

WorkList Name : bod-5-10

WorkList ID : 169813

Department : Wet-Chemistry

Date : 05-10-2023 08:27:34

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/12/2023	Water	O2737-01	C BOD5	Cool 4 deg C	INFR01	N21	WEEKLY-OUTFALL-002	05/10/2023	SM5210 B
05/12/2023	Water	O2736-02	A BOD5	Cool 4 deg C	ARAM01	O11	COMP	05/10/2023	SM5210 B
05/12/2023	Water	O2742-01	J BOD5	Cool 4 deg C	PSEG03	K31	14-051023	05/10/2023	SM5210 B
05/12/2023	Water	O2743-07	K BOD5	Cool 4 deg C	PSEG03	O11	DRUM-A-WATER	05/10/2023	SM5210 B
05/12/2023	Water	O2744-01	L BOD5	Cool 4 deg C	PSEG03	M11	PL-OILYWATER	05/10/2023	SM5210 B

Date/Time 05/11/2023 12:00
 Raw Sample Received by: RPA Cures
 Raw Sample Relinquished by: ALCOC

Date/Time 05/11/2023 13:50
 Raw Sample Received by: SCOC
 Raw Sample Relinquished by: RPA Cures