

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 12/05/2024

QC BATCH ID: LB133770

BOD Water: WP110974

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110976

NaOH, 1N: WP108662

GGA: WP110975

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP110595

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.4	19.2	9.8	9.8

Meter Calibration1: 9.30

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.83

After Incubation

Meter Calibration2: 8.95

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB133770

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:40

TIME OUT: 13:45

DATE IN: 12/05/2024

DATE OUT: 12/10/2024

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
LB133770BL	1	No	6.65	N/A	20.40	300	9.82	9.80	0.02	0.02	0.02	
POLYSEED	1					10	9.74	7.40	2.34	0.47	0.58	
POLYSEED	2					15	9.72	5.12	4.6	0.61		
POLYSEED	3					20	9.65	3.01	6.64	0.66		
GGA	1					6	9.76	5.05	4.71	206.5	211.5	
GGA	2					6	9.72	4.89	4.83	212.5		
GGA	3					6	9.70	4.81	4.89	215.5		
P5074-02	1	No	5.29	6.92	20.20	0.5	9.79	7.17	2.62	1224	1245	pH Adjusted
P5074-02	2					1	9.74	4.65	5.09	1353		
P5074-02	3					2	9.69	1.39	8.3	1158		
P5074-02	4					3	9.58	0.56	-	0		
P5074-02DUP	1	No	5.29	6.92	20.20	0.5	9.79	7.28	2.51	1158	1208	pH Adjusted
P5074-02DUP	2					1	9.74	4.73	5.01	1329		
P5074-02DUP	3					2	9.67	1.51	8.16	1137		
P5074-02DUP	4					3	9.60	0.57	-	0		
P5139-01	1	No	6.22	6.79	20.00	5	9.64	4.36	5.28	282	175.5	pH Adjusted
P5139-01	2					20	9.35	4.17	5.18	69		
P5139-01	3					50	7.98	0.58	-	0		
P5139-01	4					150	4.28	0.46	-	0		
P5139-02	1	No	6.31	6.84	20.00	5	9.65	7.35	2.3	103.2	92.85	pH Adjusted
P5139-02	2					20	9.34	3.26	6.08	82.5		
P5139-02	3					50	8.42	0.57	-	0		
P5139-02	4					150	4.56	0.45	-	0		
P5141-01	1	No	9.61	7.19	20.00	5	9.79	8.84	-	0	30.98	pH Adjusted
P5141-01	2					20	9.76	7.45	2.31	25.95		
P5141-01	3					50	9.70	3.12	6.58	36		
P5141-01	4					150	9.65	0.55	-	0		
P5143-01	1	No	7.11	N/A	20.00	5	9.63	9.00	-	0		
P5143-01	2					20	9.58	8.60	-	0		
P5143-01	3					50	9.52	8.20	-	0		
P5143-01	4					150	8.78	8.00	-	0		
P5143-03	1	No	7.14	N/A	20.00	5	9.68	9.01	-	0		
P5143-03	2					20	9.65	8.91	-	0		
P5143-03	3					50	9.62	8.40	-	0		
P5143-03	4					150	9.60	7.99	-	0		
P5143-05	1	No	6.91	N/A	20.00	5	9.70	8.90	-	0		
P5143-05	2					20	9.68	8.47	-	0		
P5143-05	3					50	9.65	8.38	-	0		
P5143-05	4					150	9.60	7.96	-	0		
P5145-01	1	No	7.17	N/A	20.00	5	9.80	8.43	-	0	22.35	
P5145-01	2					20	9.78	7.79	-	0		

P5145-01	3					50	9.75	3.68	6.07	32.94		
P5145-01	4					150	9.74	3.28	6.46	11.76		
P5146-01	1	No	8.66	7.19	20.00	0.5	9.80	1.01	8.79	4926	4926	pH Adjusted
P5146-01	2					1	9.72	0.31	-	0		
P5146-01	3					2	9.53	0.20	-	0		
P5146-01	4					5	9.18	0.19	-	0		
P5146-01	5					10	8.60	0.15	-	0		
P5146-05	1	No	4.47	6.80	20.00	0.01	9.72	7.24	2.48	57000	32320	pH Adjusted
P5146-05	2					0.05	9.66	5.07	4.59	24060		
P5146-05	3					0.1	9.64	3.76	5.88	15900		
P5146-05	4					0.5	9.22	0.16	-	0		
P5146-05	5					1	8.51	0.11	-	0		

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

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6133770

WorkList Name : bod-12-05

WorkList ID : 186023

Department : Wet-Chemistry

Date : 12-05-2024 15:34:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5141-01	WATER TREATMENT DISCHAF	Water	BOD5	Cool 4 deg C	VERI01	M11	12/05/2024	SM5210 B
P5143-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	L51	12/05/2024	SM5210 B
P5143-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	L51	12/05/2024	SM5210 B
P5143-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	L51	12/05/2024	SM5210 B
P5145-01	286085	Water	BOD5	Cool 4 deg C	PSEG03	L51	12/05/2024	SM5210 B

Date/Time 12/05/2024 16:10
 Raw Sample Received by: RM CWJ
 Raw Sample Relinquished by: AWCJ

Date/Time 12/05/2024 17:00
 Raw Sample Received by: JAC
 Raw Sample Relinquished by: RM CWJ

WORKLIST(Hardcopy Internal Chain)

66133770

WorkList Name : bod5-12-5 WorkList ID : 185986 Department : Wet-Chemistry Date : 12-05-2024 08:13:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5074-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	12/04/2024	SM5210 B
P5139-01	001-WILLETS-PT-BLVD(DEC)	Water	BOD5	Cool 4 deg C	TULL01	L51	12/04/2024	SM5210 B
P5139-02	002-35TH-AVE(DEC)	Water	BOD5	Cool 4 deg C	TULL01	L51	12/04/2024	SM5210 B
P5146-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	12/05/2024	SM5210 B
P5146-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	12/05/2024	SM5210 B

Date/Time 12/05/2024 15:25
 Raw Sample Received by: RMCWJ
 Raw Sample Relinquished by: M66CJ

Date/Time 12/05/2024 17:00
 Raw Sample Received by: M66CJ
 Raw Sample Relinquished by: RMCWJ