



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 02/02/2024

QC BATCH ID: LB129384

BOD Water: WP106404

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP106406

GGA: WP106405

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP103989

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP106040

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	8.9
WINKLER 2	WINKLER 2	2	300	8.9	17.8	8.9	8.9

Meter Calibration1: 8.79

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.99

After Incubation

Meter Calibration2: 8.81

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB129384

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:45

TIME OUT: 13:15

DATE IN: 02/02/2024

DATE OUT: 02/07/2024

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
LB129384BL	1	No	6.76	N/A	20.60	300	8.98	8.96	0.02	0.02	0.02	
POLYSEED	1					10	8.96	6.22	2.74	0.55	0.58	
POLYSEED	2					15	8.94	4.61	4.33	0.58		
POLYSEED	3					20	8.92	2.92	6	0.6		
GGA	1					6	8.92	4.92	4	171	173.5	
GGA	2					6	8.85	4.85	4	171		
GGA	3					6	8.85	4.70	4.15	178.5		
P1354-01	1	No	5.36	6.69	20.00	5	8.96	7.30	-	0	19.12	pH Adjusted
P1354-01	2					20	8.94	6.29	2.65	31.05		
P1354-01	3					50	8.92	5.59	3.33	16.5		
P1354-01	4					150	8.91	3.42	5.49	9.82		
P1354-01DUP	1	No	5.36	6.69	20.00	5	8.95	7.19	-	0	19.24	pH Adjusted
P1354-01DUP	2					20	8.94	6.35	2.59	30.15		
P1354-01DUP	3					50	8.93	5.41	3.52	17.64		
P1354-01DUP	4					150	8.90	3.35	5.55	9.94		

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)

6129384

WorkList Name : bod5-02-02

WorkList ID : 177564

Department : Wet-Chemistry

Date : 02-02-2024 08:36:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1354-01	FRAC-TANK-A6014	Water	BOD5	Cool 4 deg C	PSEG03	D11	02/02/2024	SM5210 B

Date/Time 02/02/2024 17:00
 Raw Sample Received by: RM CUL
 Raw Sample Relinquished by: RM CUL

Date/Time 02/02/2024 17:30
 Raw Sample Received by: RM CUL
 Raw Sample Relinquished by: RM CUL