CHEMTECH

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB122484

Analysis Date: 10/14/2022

BOD Water: WP99372

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2766

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP97258

Sodium Thiosulfate, 0.025N: W2843

POLYSEED: WP99374

NaOH, 1N: WP97250

GGA: WP99373

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W2716

Zero DO: WP99283

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.7	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.7	17.4	8.7	8.7

Meter Calibration1: 8.76 Zero DO Reading1: 0.06 mg/L (<=0.2 Criteria)

Barometric Pressure1: 750 mmHg Winkler titrated BOD fluid DO reading1: 8.76

After Incubation

Meter Calibration2: 9.04 Zero DO Reading2: 0.06 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg Winkler titrated BOD fluid DO reading2: 8.70

CHEMTECH

QC BATCH ID: LB122484

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 14:00

TIME OUT: 15:00

DATE IN: 10/14/2022

DATE OUT: 10/19/2022

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
LB122484BL	1	No	6.75	N/A	20.20	300	8.74	8.51	0.23	0.23	0.23	
POLYSEED	1					10	8.73	4.68	4.05	0.81	0.66	
POLYSEED	2					15	8.69	4.50	4.19	0.56		
POLYSEED	3					20	8.66	2.53	6.13	0.61		
GGA	1					6	8.73	4.15	4.58	196	228.67	
GGA	2					6	8.72	3.16	5.56	245		
GGA	3					6	8.71	3.15	5.56	245		
N5133-03	1	No	7.63	7.20	20.70	5	8.74	7.63	-	0		pH Adjuste
N5133-03	2					20	8.72	7.62	-	0		
N5133-03	3					50	8.66	7.61	-	0		
N5133-03	4					150	8.41	7.52	-	0		
N5147-01	1	No	7.89	7.20	20.60	5	8.72	7.74	-	0		pH Adjuste
N5147-01	2					20	8.71	7.59	-	0		
N5147-01	3					50	8.69	7.14	-	0		
N5147-01	4					150	8.67	7.12	-	0		
N5147-01DUP	1	No	7.89	7.20	20.60	5	8.73	7.75	-	0		pH Adjuste
N5147-01DUP	2					20	8.70	7.54	-	0		
N5147-01DUP	3					50	8.65	7.16	-	0		
N5147-01DUP	4					150	8.63	7.11	-	0		
N5151-01	1	No	8.09	6.85	20.60	5	8.72	8.06	-	0		pH Adjuste
N5151-01	2					20	8.70	7.65	-	0		
N5151-01	3					50	8.69	7.64	-	0		
N5151-01	4					150	8.67	7.62	-	0		
N5151-02	1	No	8.13	6.96	20.10	5	8.72	7.64	-	0		pH Adjuste
N5151-02	2					20	8.71	7.08	-	0		
N5151-02	3					50	8.70	6.98	-	0		
N5151-02	4					150	8.69	6.96	-	0		
N5156-02	1	No	9.43	7.10	20.30	0.5	8.70	1.62	7.08	3852	3852	pH Adjuste
N5156-02	2					1	8.68	0.08	-	0		
N5156-02	3					2	8.66	0.05	-	0		
N5156-02	4					3	8.64	0.04	-	0		
N5161-01	1	No	8.15	6.85	20.40	0.5	8.68	7.04	-	0	1081.5	pH Adjuste
N5161-01	2					1.	8.67	3.91	4.76	1230		
N5161-01	3					2	8.65	1.77	6.88	933		
N5161-01	4					5	8.49	0.07	-	0		
N5161-01	5					10	8.27	0.05	-	0		
N5161-05	1	No	4.56	7.75	20.40	0.01	8.70	7.06	-	0	4440	pH Adjuste
N5161-05	2					0.05	8.69	7.03	-	0		
N5161-05	3					0.1	8.68	6.54	2.14	4440		
N5161-05	4					0.5	8.66	0.11	-	0		
N5161-05	5					1	8.65	0.06	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 122484

WorkList Name : BOD-1014 **WorkList ID :** 164092 **Department :** Wet-Chemistry **Date :** 10-14-2022 13:14:03

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/15/2022	Water	N5133-03	BOD5	Cool 4 deg C	PSEG03	C11	HAS-WATER-1013	10/13/2022	SM5210 B
10/13/2022	Water	N5147-01	BOD5	Cool 4 deg C	ENVI70	D11	557-E-2	10/11/2022	SM5210 B
10/13/2022	Water	N5151-01	BOD5	Cool 4 deg C	ENVI70	D11	256317-5	10/11/2022	SM5210 B
10/13/2022	Water	N5151-02	BOD5	Cool 4 deg C	ENVI70	D11	256317-6	10/11/2022	SM5210 B
10/16/2022	Water	N5156-02	BOD5	Cool 4 deg C	ARDM01	D11	EFF-WASTE-WATER	10/14/2022	SM5210 B
10/16/2022	Water	N5161-01	BOD5	Cool 4 deg C	HOLL01	D11	EFFLUENT	10/14/2022	SM5210 B
10/16/2022	Water	N5161-05	BOD5	Cool 4 deg C	HOLL01	D11	INFLUENT	10/14/2022	SM5210 B

Date/Time 10/14/22 13:30
Raw Sample Received by: SJ (WC)
Raw Sample Relinquished by: CP (SM)

Date/Time 10/14/22 15:30
Raw Sample Received by: CP (SM)
Raw Sample Relinquished by: SJ (WC)