

**BOD5 LOG**ANALYST: jigneshSUPERVISOR: IwonaAnalysis Date: 09/16/2022QC BATCH ID: LB122048BOD Water: WP98973MANGANOUS SULFATE SOLUTION: W2767Starch: W2766Alkaline Iodide Azide: W2742Sulfuric acid, 1N: WP88863Sodium Thiosulfate, 0.025N: W2843POLYSEED: WP98974NaOH, 1N: WP97250GGA: WP98975IncubatorID: INCUBATOR #3Chlorine Strips: W2011GuageID: 0511064pH Strips: W2716Zero DO: WP98094

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.6	8.6	8.65
WINKLER 2	WINKLER 2	2	300	8.6	17.3	8.7	8.65

Meter Calibration1: 8.69Zero DO Reading1: 0.04 mg/L (<=0.2 Criteria)Barometric Pressure1: 755 mmHgWinkler titrated BOD fluid DO reading1: 8.85**After Incubation**Meter Calibration2: 8.79Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)Barometric Pressure2: 765 mmHgWinkler titrated BOD fluid DO reading2: 8.63



QC BATCH ID: LB122048

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:30

TIME OUT: 11:30

DATE IN: 09/16/2022

DATE OUT: 09/21/2022

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
LB122048BL	1	No	6.8	N/A	22.30	300	8.84	8.59	0.25	0.25	0.25	
POLYSEED	1					10	8.77	5.49	3.28	0.66	0.63	
POLYSEED	2					15	8.69	4.20	4.49	0.6		
POLYSEED	3					20	8.61	2.23	6.38	0.64		
GGA	1					6	8.72	3.89	4.83	210	216.5	
GGA	2					6	8.68	3.74	4.94	215.5		
GGA	3					6	8.62	3.51	5.11	224		
N4671-02	1	No	7.41	N/A	19.00	0.5	8.73	5.70	3.03	1440	1139.5	
N4671-02	2					1	8.70	4.87	3.83	960		
N4671-02	3					2	8.69	1.27	7.42	1018.5		
N4671-02	4					3	8.68	0.22	-	0		
N4675-01	1	No	8.84	7.2	19.80	5	8.74	8.10	-	0	3.3	pH Adjusted
N4675-01	2					20	8.72	8.00	-	0		
N4675-01	3					50	8.68	7.70	-	0		
N4675-01	4					150	8.42	6.14	2.28	3.3		
N4675-01DUP	1	No	8.84	7.2	19.80	5	8.72	8.12	-	0	3.34	pH Adjusted
N4675-01DUP	2					20	8.71	8.02	-	0		
N4675-01DUP	3					50	8.68	7.72	-	0		
N4675-01DUP	4					150	8.46	6.16	2.3	3.34		
N4678-01	1	No	8.01	7.20	19.90	5	8.77	7.43	-	0		pH Adjusted
N4678-01	2					20	8.71	7.36	-	0		
N4678-01	3					50	8.67	7.14	-	0		
N4678-01	4					150	8.55	7.01	-	0		
N4680-01	1	No	8.02	7.2	19.60	5	8.77	8.03	-	0		pH Adjusted
N4680-01	2					20	8.72	7.52	-	0		
N4680-01	3					50	8.68	7.48	-	0		
N4680-01	4					150	8.55	6.84	-	0		
N4682-01	1	No	8.92	7.20	20.20	5	8.74	8.12	-	0	3.9	pH Adjusted
N4682-01	2					20	8.71	7.91	-	0		
N4682-01	3					50	8.66	7.44	-	0		
N4682-01	4					150	8.61	6.03	2.58	3.9		
N4684-01	1	No	8.19	7.20	19.70	5	8.76	8.12	-	0		pH Adjusted
N4684-01	2					20	8.73	8.09	-	0		
N4684-01	3					50	8.72	7.78	-	0		
N4684-01	4					150	8.71	7.19	-	0		
N4686-01	1	No	8.10	7.20	20.40	5	8.69	7.65	-	0		pH Adjusted
N4686-01	2					20	8.68	7.58	-	0		
N4686-01	3					50	8.67	7.41	-	0		
N4686-01	4					150	8.62	7.31	-	0		
N4696-01	1	No	8.18	7.20	23.60	0.5	8.75	6.84	-	0	797.25	pH Adjusted
N4696-01	2					1	8.68	5.14	3.54	873		

N4696-01	3					2	8.67	3.23	5.44	721.5		
N4696-01	4					5	8.52	0.18	-	0		
N4696-01	5					10	8.22	0.11	-	0		
N4696-05	1	No	4.11	7.20	22.90	0.01	8.72	7.25	-	0	20100	pH Adjusted
N4696-05	2					0.05	8.71	4.85	3.86	19380		
N4696-05	3					0.1	8.70	1.13	7.57	20820		
N4696-05	4					0.5	8.68	0.18	-	0		
N4696-05	5					1	8.64	0.14	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB122048

WorkList Name : BOD5-0916-2

WorkList ID : 163255

Department : Wet-Chemistry

Date : 09-16-2022 15:33:20

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
09/18/2022	Water	N4671-02	C BOD5	Cool 4 deg C	ARDM01	N11	EFF-VW	09/16/2022	SM5210 B
09/17/2022	Water	N4675-01	C BOD5	Cool 4 deg C	ENV170	N11	006-1	09/15/2022	SM5210 B
09/17/2022	Water	N4678-01	D BOD5	Cool 4 deg C	ENV170	N11	5869-1	09/15/2022	SM5210 B
09/17/2022	Water	N4680-01	C BOD5	Cool 4 deg C	ENV170	N11	5869-2	09/15/2022	SM5210 B
09/17/2022	Water	N4682-01	C BOD5	Cool 4 deg C	ENV170	N11	006-2	09/15/2022	SM5210 B
09/17/2022	Water	N4684-01	E BOD5	Cool 4 deg C	ENV170	N11	5486-2	09/15/2022	SM5210 B
09/17/2022	Water	N4686-01	D BOD5	Cool 4 deg C	ENV170	N11	5486-1	09/15/2022	SM5210 B
09/18/2022	Water	N4696-01	C BOD5	Cool 4 deg C	HOLL01	N11	EFFLUENT	09/16/2022	SM5210 B
09/18/2022	Water	N4696-05	B BOD5	Cool 4 deg C	HOLL01	N11	INFLUENT	09/16/2022	SM5210 B

Date/Time 9/16/2022 15:35
 Raw Sample Received by: ST (WC)
 Raw Sample Relinquished by: CP (SM)

Date/Time 9/16/2022 16:45
 Raw Sample Received by: CP (SM)
 Raw Sample Relinquished by: ST (WC)