Turbidity Calibration

EPA Method 180.1, rev. 2.0 (1993) NU-103-1.2

File Name:	
Analyst:	
Date:	
Time:	
Exp. Date:	3/31/1900

Turbidimeter	
Unique ID:	HACHT-1
S/N	2018010C0108
Location:	C307
Instrument Version	6.2.5|1.6.2.4-B8
Log:	Calibration Log

Standards			
Type	**Standard ID**	**S/N**	**Exp. Date**
Calibration Standards	**< 0.1 NTU**		
	20.0 NTU		
	200 NTU		
	1000 NTU		
	4000 NTU		
Verification Standards	**1.0 NTU**		
	10 NTU ALTQC		
	10 NTU LFB		
	40 NTU		
	Gelex Stray Light		

Maintenance Prior to Calibration:

*****Calibration occurs on a quarterly (3 month) bases*****

Calibration Curve: StablCal.				
Standard ID	**STD Value (NTU)**	**Raw (NTU)**	**Recovery (%)**	**Acceptable (Y/N)**
Standard 1	< 0.1		N/A	Y
Standard 2	20		0.0%	N
Standard 3	200		0.0%	N
Standard 4	1000		0.0%	N
Standard 5	4000		0.0%	N
R^2				N

Acceptance limits: <0.1 for <0.1 NTU, Recovery ± 5.0% for standards 20-4000 NTU, $R^2 \geq 0.995$

Analyst:_____ Reviewer:_____

*****Calibration Verification occurs immediately after quarterly calibration*****

Calibration Verification				
Sample ID	**STD Value (NTU)**	**Raw (NTU)**	**Recovery (%)**	**Acceptable (Y/N)**
BLK	< 0.10		N/A	Y
Standard 1	< 0.10		N/A	Y
Standard 2	20		0.0%	N
Standard 3	200		0.0%	N
Standard 4	1000		0.0%	N
Standard 5	4000		0.0%	N
1.0 NTU	1.0		0.0%	N
10 NTU ALTQC	10		0.0%	N
10 NTU LFB	10		0.0%	N
40 NTU	40		0.0%	N
Gelex Stray Light			N/A	Y

Acceptance limits: <0.1 for BLK & Standard 1 (0.10), Recovery ± 5.0% for Standards 20, 200, 1000, 4000 NTU, and 40 NTU.

Recovery ± 10% for the 10 NTU ALTQC, 10 NTU LFB, and 1.0 NTU.

Gelex Stray Light STD Value is the previous Stray Light Calibration Verification Value.

The Stray Light Raw value is the current verification reading, and it must be within ±0.02 of STD Value.

Analyst:_____ Reviewer:_____