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Turbidity Calibration (EPA Method 180.1, rev. 2.0 (1993)) DEP SOP NU-102-1.0

Analyst:	
Date/Time:	
Exp. Date:	

AltQC Standard	
AltQC S/N:	
AltQC Exp. Date:	

Turbidimeter HACH TL2300	
Unique ID:	HACHT-1
S/N	2018010C0041
Location:	C307
Instrument Version	6.2.5|1.6.2.4-B8
Log:	Calibration Log

Calibration Standard Set		
Standard ID	**S/N**	**Exp. Date**
<0.1 NTU		
20.0 NTU		
200 NTU		
1000 NTU		
4000 NTU		

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

Calibration Curve: StablCal (0-4000 NTU)				
	STD Value	**Raw**	**% Recovery**	**Acceptable (Y/N)**
Standard 1: (<0.10)	0.10		0.0	N
Standard 2:	20		0.0	N/A
Standard 3:	200		0.0	N/A
Standard 4:	1000		0.0	N/A
Standard 5:	4000		0.0	N/A
Verification:	10		0.0	N
R^2				N

******Acceptance limits Recovery are with in ± 5% for standards 20-4000 NTU, ± 10% for AltQC 10 NTU******

Gelex Standards				
Unique ID:	HACHT-1			
	Serial S/N	**Initial (NTU)**	**Current (NTU**	**Acceptance (Y/N)**
Stray Light		0.062		N
0-2 NTU		1.57		N
0-20 NTU		15.3		N
0-200 NTU		159		N
200-4000 NTU		1962		N

Equipment and supplies:
- HACH Turbidimeter, Model TL2300 (HACH-1 and HACH-2)
- StablCal Standards
- Gelex Standards
- Silicone Oil

SOP Reference: This method is applicable to drinking, surface and saline waters in the turbidity range from 0.10 to 40 nephelometric turbidity units (NTU). SOP NU-102-1.0 outlines details, this SOP is based on EPA Method 180.1, rev. 2.0 (1993), approved at 40 CFR part 136.

 Analyst:_____ Reviewer:_____