SDG NARRATIVE

LAB NAME: Alliance Technical Group, LLC
CASE: 51841
SDG: E1H28
CONTRACT: 68HERH20D0011
LAB CODE: ACE
LAB ORDER ID: P4783
MODIFICATION REF. NUMBER: NA

Sample ID	EPA Sample ID	pH
P4783-01	E1H28	
P4783-02MS	E1H28MS	
P4783-03MSD	E1H28MSD	
P4783-04	E1H29	
P4783-05	E1H30	

05 Water samples were delivered to the laboratory intact on 11/08/2024.

Test requested on the Chain of Custody was Semivolatile Organic by Method SFAM01.1.

The temperature of the samples was measured using an I R Gun. The samples temperature was 2.6, 2.3 degree Celsius for the samples received on 11/08/2024.

Semivolatiles:

The samples were analyzed on instrument BNA_G using GC Column ZB-GR Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA.

Semis volatile Organic sample for water sample was extracted by Method SFAM01.1 on 11/13/2024, The analysis of SVOC-SFAM was based on method SFAM01.1_SVOC.

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS {E1H28MS} recovery met the requirements for all compounds.
The MSD {E1H28MSD} recovery met the requirements for all compounds.
The RPD {E1H28MSD} RPD met the requirements for all compounds
The Blank Spike for {PB164931BS} recoveries met the requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Tuning criteria met the requirements.
The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

Concentration of Water Sample:

Concentration ug/L = $\dfrac{(Ax)\,(Is)\,(Vt)\,(DF)\,(GPC)}{(Ais)\,(\overline{RRF})\,(Vo)\,(Vi)}$

Where,
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the internal standard.
Is = Amount of internal standard injected in ng.
Vo = Volume of water extracted in mL.
Vi = Volume of extract injected in uL.
Vt = Volume of the concentrated extract in uL
RRF = Mean Relative Response Factor determined from the initial calibration standard.
GPC = Vin = GPC factor (If no GPC is performed, GPC=1)
Vout = Volume of extract collected after GPC cleanup.

No positive target compounds were detected in the samples.

RRF Calculation of standard 20 ppb for **Naphthalene** with G instrument for method 11/06/2024.

RRF=   Area of compound /   X   Conc. of Internal Standard /
          Area of Internal Standard   Conc. of Compound

   = 267121/252685 X 20/20

   = 1.057 (Reported RRF)

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature _____   Name: Nimisha Pandya.

Date: _____   Title: Document Control Officer.