TE-1000 Hi-Vol PAH Air Sample Data Form

Sample Information

Full Site Name: Xact - NIPSCO

Site Abbreviation Xac

Deployment No. A-20

Field Deployment and Recovery

Field *Deployment* Technician Name Cole Remsburg

Setup Date/Time 7-28-21

Sample Run Date 7-29-21 11:14

Magnehelic Gauge Setpoint 44.9

745.8 298 28.5293 -1.8446 = 44.9

$$Magnehelic\ Gauge\ Setpoint = \left(\frac{P_{amb}}{T_{amb}} * \frac{T_{Std}}{P_{Std}}\right) * \left[\left(m_{hivol} * 0.225\frac{m^3}{min}\right) + b_{hivol}\right]^2$$

303.5 760

P_{amb} = Expected atmospheric pressure, mmHg

T_{amb} = Expected atmospheric temperature, K

m_{hivol} = Slope from Hi-Vol Calibration Worksheet

T_{Std} = Standard Temperature, 298 K

P_{Std} = Standard Pressure, 760 mmHg

b_{hivol} = Intercept from Hi-Vol Calibration Worksheet

Field *Recovery* Technician Name Cole Remsburg

Recovery Date/Time 7-30-21

	Elapsed Time
Initial	01203.37
Final	01204.68
Total Collection Time (hours)	1.31

	Magnehelic Gauge Reading
Initial	44.9
Final	50.0
Average Reading	47.5

Sample Status: **VALID** **VOID** **(circle one)** **VOID Reason:** <23 hrs GFI tripped

Site Observations

Run Day Temperatures: High 83 Low 63 Source: Weather Channel

Run Day Precipitation: Ø

Run Day Wind/Wind Direction: 15 MPH/N

Run Day Sky Cover: Mostly clear

Unusual Events? (fires, major storms, construction, etc.): None

Maintenance

Check all that apply.

Weekly Checks:

- ☑ Power cords/plugs ok?
- ☑ Gaskets ok?
- ☑ Shelter ok?
- ☑ Tubing ok?
- ☑ Timer ok?
- ☑ Debris removed?

Monthly Checks: *(after 5th sample run of the month)*

- ☐ Sampling head cleaned with Kim wipes?
- ☐ Pictures of site logbook taken?
- ☐ Completed TE-1000 One-Point Flow Check Form?
- ☐ One-point flow verification within **±10%** of $Q_{Magnehelic}$ $(0.225\frac{m^3}{min})$?

Maintenance Notes:

7-30-21 748.8