

**High-Volume Sampler Flow Calculation Table**  
**U. S. Steel Corporation - Clairton, PA**

	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6	Event 7
Avg. Temp (K)	286.38	290.40	280.28	278.80	283.84	270.12	287.32
Avg. Press (mm Hg)	769.38	759.32	778.24	769.77	765.59	777.06	758.74
PAH01 Total Time (hrs)	24.00	24.02	24.00	24.00	24.05	24.15	N/A
PAH01 Avg. Mag.	60.00	60.50	66.00	66.50	67.00	68.00	N/A
PAH01 Avg. Flow (m <sup>3</sup> /min)	0.25	0.25	0.26	0.26	0.26	0.27	N/A
<b>PAH01 Total Flow (m<sup>3</sup>)</b>	<b>360.66</b>	<b>358.13</b>	<b>380.38</b>	<b>380.69</b>	<b>378.96</b>	<b>393.36</b>	<b>N/A</b>
PAH02 Total Time (hrs)	23.75	24.06	24.00	24.00	24.05	24.12	23.82
PAH02 Avg. Mag.	69.50	65.50	64.00	64.50	67.00	68.00	70.00
PAH02 Avg. Flow (m <sup>3</sup> /min)	0.28	0.27	0.28	0.28	0.28	0.29	0.28
<b>PAH02 Total Flow (m<sup>3</sup>)</b>	<b>406.09</b>	<b>395.05</b>	<b>400.94</b>	<b>401.34</b>	<b>404.96</b>	<b>421.56</b>	<b>405.37</b>
PAH03 Total Time (hrs)	24.03	24.05	24.00	23.99	24.00	24.11	23.83
PAH03 Avg. Mag.	69.00	68.50	74.00	68.50	70.00	71.50	74.50
PAH03 Avg. Flow (m <sup>3</sup> /min)	0.29	0.28	0.30	0.29	0.29	0.30	0.29
<b>PAH03 Total Flow (m<sup>3</sup>)</b>	<b>411.02</b>	<b>405.67</b>	<b>428.11</b>	<b>413.69</b>	<b>413.58</b>	<b>430.26</b>	<b>417.59</b>
PAH04 Total Time (hrs)	23.96	24.03	23.95	23.99	21.44	24.14	23.89
PAH04 Avg. Mag.	54.00	67.50	60.00	65.00	74.50	72.00	77.00
PAH04 Avg. Flow (m <sup>3</sup> /min)	0.26	0.29	0.28	0.29	0.30	0.31	0.31
<b>PAH04 Total Flow (m<sup>3</sup>)</b>	<b>373.78</b>	<b>411.68</b>	<b>399.14</b>	<b>414.29</b>	<b>390.88</b>	<b>446.55</b>	<b>438.02</b>

<i>Calibration (10/10/22)</i>	PAH01	PAH02	PAH03	PAH04
Slope	38.45	31.94	36.83	30.43
Intercept	-1.68	-0.54	-1.97	-0.37
Corr. Coeff.	0.9999	0.9949	0.9978	0.9992