

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102423\
 Data File : VU055861.D
 Acq On : 24 Oct 2023 10:00
 Operator : MD/SY
 Sample : VSTD00168
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001068

Quant Time: Oct 25 05:00:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 25 04:59:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	379706	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	371370	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	171862	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	26608	1.735	ug/L	0.00
7) Chloroethane-d5	1.911	69	21412	1.250	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	11379	1.433	ug/L	0.00
20) 2-Butanone-d5	4.647	46	44990	7.127	ug/L	0.02
24) Chloroform-d	5.062	84	47946	1.032	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	23882	0.986	ug/L	0.00
32) Benzene-d6	5.727	84	95704	1.079	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.692	67	28093	0.936	ug/L	0.00
41) Toluene-d8	7.898	98	85657	1.018	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	10835	1.064	ug/L	0.00
46) 2-Hexanone-d5	8.637	63	24010	5.538	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	19971	0.799	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	28908	1.030	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	21177	0.917	ug/L	100
3) Chloromethane	1.518	50	20314	0.849	ug/L	98
5) Vinyl chloride	1.605	62	21602	0.871	ug/L	98
6) Bromomethane	1.859	94	14115	0.909	ug/L	90
8) Chloroethane	1.933	64	12275	0.761	ug/L	93
9) Trichlorofluoromethane	2.136	101	29284	0.833	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	20577	1.038	ug/L	98
12) 1,1-Dichloroethene	2.579	96	16995	0.980	ug/L	86
13) Acetone	2.647	43	29322	8.430	ug/L	100
14) Carbon disulfide	2.792	76	44217	0.936	ug/L	95
15) Methyl Acetate	2.962	43	5826	0.833	ug/L	96
16) Methylene chloride	3.042	84	19377	0.740	ug/L	96
17) Methyl tert-butyl Ether	3.358	73	41092	0.836	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	17514	0.936	ug/L	99
19) 1,1-Dichloroethane	3.869	63	34478	0.888	ug/L	94
21) 2-Butanone	4.727	43	38726	7.311	ug/L	94
22) cis-1,2-Dichloroethene	4.666	96	20344	0.928	ug/L	95
23) Bromochloromethane	4.978	128	8391	0.880	ug/L	96
25) Chloroform	5.087	83	37413	0.881	ug/L	99
27) 1,2-Dichloroethane	5.798	62	21612	0.832	ug/L	99
29) 1,1,1-Trichloroethane	5.319	97	31540	0.864	ug/L	99
30) Cyclohexane	5.383	56	25413	0.801	ug/L	98
31) Carbon tetrachloride	5.525	117	27267	0.880	ug/L	99
33) Benzene	5.775	78	75863	0.876	ug/L	100
34) Trichloroethene	6.541	95	21527	0.901	ug/L	96
35) Methylcyclohexane	6.763	83	27796	0.797	ug/L	96
37) 1,2-Dichloropropane	6.791	63	20248	0.846	ug/L	100
38) Bromodichloromethane	7.107	83	24754	0.831	ug/L	99
39) cis-1,3-Dichloropropene	7.608	75	25535	0.744	ug/L	99
40) 4-Methyl-2-pentanone	7.791	43	91528	6.994	ug/L	97
42) Toluene	7.968	91	76075	0.799	ug/L	98
44) trans-1,3-Dichloropropene	8.213	75	21285	0.752	ug/L	96

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45) 1,1,2-Trichloroethane	8.402	97	14532	0.899	ug/L	92
47) Tetrachloroethene	8.550	164	15417	0.895	ug/L	95
48) 2-Hexanone	8.688	43	67621	6.876	ug/L	99
49) Dibromochloromethane	8.804	129	15002	0.794	ug/L	96
50) 1,2-Dibromoethane	8.923	107	12603	0.811	ug/L #	99
51) Chlorobenzene	9.447	112	52024	0.839	ug/L	97
52) Ethylbenzene	9.569	91	85588	0.800	ug/L	99
53) m,p-Xylene	9.695	106	31868	0.795	ug/L	97
54) o-Xylene	10.100	106	31587	0.818	ug/L	96
55) Styrene	10.116	104	46512	0.732	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	17194	0.863	ug/L	98
59) Bromoform	10.290	173	8392	0.977	ug/L	93
60) Isopropylbenzene	10.483	105	77844	0.861	ug/L	97
61) 1,2,3-Trichloropropane	10.820	75	11656	0.926	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	61445	0.801	ug/L	99
63) 1,2,4-Trimethylbenzene	11.467	105	54380	0.765	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	37160	0.880	ug/L	96
65) 1,4-Dichlorobenzene	11.836	146	38816	0.920	ug/L	95
67) 1,2-Dichlorobenzene	12.212	146	35248	0.918	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	1881	0.790	ug/L #	87
69) 1,3,5-Trichlorobenzene	13.219	180	24556	0.870	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	18098	0.829	ug/L	95
71) Naphthalene	14.090	128	25124	0.766	ug/L	98
72) 1,2,3-Trichlorobenzene	14.331	180	15776	0.864	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

