

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032825\
 Data File : VX045501.D
 Acq On : 28 Mar 2025 11:08
 Operator : JC/MD
 Sample : VSTD10070
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD100670

Quant Time: Mar 28 13:15:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML032825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 28 13:12:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	148090	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	136945	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	61693	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	117283	105.21	ug/L	0.00
7) Chloroethane-d5	1.642	69	69655	164.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	61714	129.52	ug/L	0.00
21) 2-Butanone-d5	4.458	46	139308	292.32	ug/L	0.00
24) Chloroform-d	5.050	84	256807	131.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	173393	147.47	ug/L	0.00
32) Benzene-d6	5.964	84	460176	107.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	145999	107.72	ug/L	0.00
41) Toluene-d8	8.647	98	416448	109.89	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	65942	102.57	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	114981	286.65	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	191192	113.52	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	134494	111.42	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	171249	161.69	ug/L	100
3) Chloromethane	1.307	50	151297	115.86	ug/L	97
5) Vinyl chloride	1.374	62	143967	120.05	ug/L	97
6) Bromomethane	1.593	94	63075	194.32	ug/L	98
8) Chloroethane	1.660	64	70874	148.01	ug/L	98
9) Trichlorofluoromethane	1.867	101	198101	148.16	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	122925	124.97	ug/L	97
12) 1,1-Dichloroethene	2.306	96	111011	120.95	ug/L	78
13) Acetone	2.386	43	137842	290.06	ug/L	93
14) Carbon disulfide	2.502	76	300504	106.91	ug/L	99
15) Methyl Acetate	2.703	43	152398	138.59	ug/L	95
16) Methylene chloride	2.782	84	125630	119.67	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	111495	116.12	ug/L	96
18) Methyl tert-butyl Ether	3.111	73	392970	118.71	ug/L	95
19) 1,1-Dichloroethane	3.605	63	232968	124.09	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	132068	114.91	ug/L	95
22) 2-Butanone	4.556	43	228484	291.58	ug/L	89
23) Bromochloromethane	4.897	128	62966	111.09	ug/L	95
25) Chloroform	5.086	83	244543	128.39	ug/L	98
27) 1,2-Dichloroethane	6.080	62	211216	147.81	ug/L	95
29) Cyclohexane	5.458	56	228359	108.63	ug/L	96
30) 1,1,1-Trichloroethane	5.373	97	206008	118.90	ug/L	96
31) Carbon tetrachloride	5.672	117	178375	120.05	ug/L	98
33) Benzene	6.031	78	482057	106.81	ug/L	100
34) Trichloroethene	7.117	95	128953	112.28	ug/L	97
35) Methylcyclohexane	7.373	83	208608	106.17	ug/L	95
37) 1,2-Dichloropropane	7.427	63	132483	108.53	ug/L	99
38) Bromodichloromethane	7.818	83	181121	118.22	ug/L	98
39) cis-1,3-Dichloropropene	8.360	75	207668	104.78	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	416016	257.79	ug/L	94
42) Toluene	8.714	91	503492	108.74	ug/L	99
44) trans-1,3-Dichloropropene	8.976	75	193454	109.04	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.147	97	124980	109.69	ug/L	98
46) Tetrachloroethene	9.269	164	86988	106.66	ug/L	97
48) 2-Hexanone	9.427	43	319086	275.95	ug/L	92
49) Dibromochloromethane	9.519	129	130414	113.49	ug/L	100
50) 1,2-Dibromoethane	9.610	107	131305	109.95	ug/L #	97
51) Chlorobenzene	10.079	112	314683	108.86	ug/L	100
52) Ethylbenzene	10.189	91	573651	113.34	ug/L	99
53) m,p-Xylene	10.299	106	208345	109.65	ug/L	93
54) o-Xylene	10.640	106	206058	110.02	ug/L	95
55) Styrene	10.653	104	348984	112.90	ug/L	94
57) 1,1,2,2-Tetrachloroethane	11.207	83	195020	110.31	ug/L	99
59) Bromoform	10.799	173	88356	108.27	ug/L	100
60) Isopropylbenzene	10.957	105	559786	112.98	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	158375	116.28	ug/L	99
62) 1,3,5-Trimethylbenzene	11.451	105	466703	114.82	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	462947	114.99	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	222039	109.01	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	218792	107.92	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	219525	108.71	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.939	75	45726	123.21	ug/L	84
69) 1,3,5-Trichlorobenzene	13.109	180	144082	107.95	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	131233	109.07	ug/L	99
71) Naphthalene	13.774	128	508987	109.07	ug/L	100
72) 1,2,3-Trichlorobenzene	13.957	180	134086	109.90	ug/L	98

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

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