

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\ VX032825\
 Data File : VX045502.D
 Acq On : 28 Mar 2025 11:32
 Operator : JC/MD
 Sample : VSTD20071
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD200671

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/01/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 14:38:51 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	145097	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	131691	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	61496	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	225192	206.181	ug/L	0.00
7) Chloroethane-d5	1.642	69	130189	313.766	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.294	65	117299	251.251	ug/L	0.00
21) 2-Butanone-d5	4.458	46	251001	537.564	ug/L	0.00
24) Chloroform-d	5.050	84	499203	260.106	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.952	65	336998	292.532	ug/L	0.00
32) Benzene-d6	5.964	84	881993	214.197	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	284626	218.383	ug/L	0.00
41) Toluene-d8	8.647	98	790048	216.784	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.945	79	136486	220.770	ug/L	0.00
47) 2-Hexanone-d5	9.384	63	226953	588.375	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	367374	226.830	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	263519	219.002	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	325313	313.494	ug/L	100
3) Chloromethane	1.307	50	288902	225.800	ug/L	99
5) Vinyl chloride	1.374	62	270135	229.901	ug/L	98
6) Bromomethane	1.593	94	117116	368.260	ug/L	98
8) Chloroethane	1.660	64	119501	254.715	ug/L	96
9) Trichlorofluoromethane	1.867	101	342538	261.466	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	233666	242.459	ug/L	96
12) 1,1-Dichloroethene	2.306	96	210334m	233.886	ug/L	
13) Acetone	2.386	43	255295	548.306	ug/L	93
14) Carbon disulfide	2.502	76	592284	215.071	ug/L	100
15) Methyl Acetate	2.703	43	286905	266.284	ug/L	94
16) Methylene chloride	2.782	84	238910	232.274	ug/L	91
17) trans-1,2-Dichloroethene	3.087	96	212625	226.020	ug/L	95
18) Methyl tert-butyl Ether	3.117	73	756447	233.227	ug/L	96
19) 1,1-Dichloroethane	3.599	63	445673	242.291	ug/L	100
20) cis-1,2-Dichloroethene	4.483	96	253135	224.792	ug/L	91
22) 2-Butanone	4.556	43	429203	559.029	ug/L	92
23) Bromochloromethane	4.891	128	122948	221.380	ug/L	93
25) Chloroform	5.086	83	462260	247.693	ug/L	100
27) 1,2-Dichloroethane	6.080	62	399256	285.156	ug/L #	95
29) Cyclohexane	5.464	56	433134	214.257	ug/L	95
30) 1,1,1-Trichloroethane	5.373	97	394464	236.753	ug/L	96
31) Carbon tetrachloride	5.672	117	340973	238.635	ug/L	99
33) Benzene	6.031	78	902242	207.891	ug/L	100
34) Trichloroethene	7.117	95	245913	222.662	ug/L	94
35) Methylcyclohexane	7.379	83	396696	209.956	ug/L	96
37) 1,2-Dichloropropane	7.427	63	248599	211.771	ug/L	99
38) Bromodichloromethane	7.818	83	350658	238.008	ug/L	97
39) cis-1,3-Dichloropropene	8.360	75	409572	214.905	ug/L	99
40) 4-Methyl-2-pentanone	8.574	43	790511	509.402	ug/L	94
42) Toluene	8.714	91	946337	212.534	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	389652	228.383	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	9.147	97	232969	212.616	ug/L	99
46) Tetrachloroethene	9.269	164	165790	211.391	ug/L	97
48) 2-Hexanone	9.433	43	604289	543.441	ug/L	93
49) Dibromochloromethane	9.519	129	249430	225.717	ug/L	98
50) 1,2-Dibromoethane	9.610	107	250920	218.492	ug/L #	97
51) Chlorobenzene	10.079	112	592687	213.220	ug/L	99
52) Ethylbenzene	10.189	91	1090878	224.133	ug/L	99
53) m,p-Xylene	10.299	106	400624	219.254	ug/L	93
54) o-Xylene	10.640	106	385707	214.154	ug/L	93
55) Styrene	10.653	104	659749	221.947	ug/L	92
57) 1,1,2,2-Tetrachloroethane	11.213	83	367590	216.220	ug/L	98
59) Bromoform	10.799	173	176160	216.549	ug/L	100
60) Isopropylbenzene	10.957	105	1062764	215.185	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	296435	218.337	ug/L	100
62) 1,3,5-Trimethylbenzene	11.451	105	885126	218.461	ug/L	98
63) 1,2,4-Trimethylbenzene	11.750	105	873862	217.758	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	427377	210.500	ug/L	99
65) 1,4-Dichlorobenzene	12.036	146	424098	209.851	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	417730	207.522	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.939	75	92710	250.606	ug/L	85
69) 1,3,5-Trichlorobenzene	13.109	180	285033	214.247	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	268875	224.174	ug/L	98
71) Naphthalene	13.774	128	1003720	215.779	ug/L	99
72) 1,2,3-Trichlorobenzene	13.957	180	269201	221.342	ug/L	98

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

