

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\ VX032825\
 Data File : VX045498.D
 Acq On : 28 Mar 2025 09:59
 Operator : JC/MD
 Sample : VSTD00567
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD005667

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 13:12:37 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	6.751	114	176015	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	157101	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	68743	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	5878	4.436	ug/L	0.00
7) Chloroethane-d5	1.654	69	4630	9.199	ug/L	0.01
11) 1,1-Dichloroethene-d2	2.300	65	3141	5.546	ug/L	0.00
21) 2-Butanone-d5	4.465	46	9122m	16.105	ug/L	0.00
24) Chloroform-d	5.056	84	13651	5.863	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.946	65	10441	7.471	ug/L	0.00
32) Benzene-d6	5.964	84	23372	4.758	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.306	67	7734	4.974	ug/L	0.00
41) Toluene-d8	8.647	98	21112	4.856	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	2637	3.576	ug/L	0.00
47) 2-Hexanone-d5	9.385	63	5398	11.731	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.189	84	10378	5.371	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.317	152	6697	4.979	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	8080	6.419	ug/L	97
3) Chloromethane	1.307	50	6921	4.459	ug/L	97
5) Vinyl chloride	1.368	62	6379	4.475	ug/L	94
6) Bromomethane	1.593	94	2995	7.763	ug/L	86
8) Chloroethane	1.673	64	3261	5.730	ug/L	97
9) Trichlorofluoromethane	1.880	101	9209	5.795	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	5725	4.897	ug/L	99
12) 1,1-Dichloroethene	2.313	96	5014	4.596	ug/L	92
13) Acetone	2.380	43	9840	17.421	ug/L	93
14) Carbon disulfide	2.502	76	11680	3.496	ug/L	100
15) Methyl Acetate	2.703	43	6865	5.252	ug/L	94
16) Methylene chloride	2.782	84	6100	4.889	ug/L	86
17) trans-1,2-Dichloroethene	3.081	96	5167	4.528	ug/L	86
18) Methyl tert-butyl Ether	3.105	73	16424	4.174	ug/L	95
19) 1,1-Dichloroethane	3.599	63	10098	4.525	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	5335	3.905	ug/L	88
22) 2-Butanone	4.574	43	10701m	11.490	ug/L	
23) Bromochloromethane	4.898	128	2772	4.115	ug/L	91
25) Chloroform	5.093	83	10552	4.661	ug/L	94
27) 1,2-Dichloroethane	6.080	62	9169	5.398	ug/L	95
29) Cyclohexane	5.458	56	9297	3.855	ug/L	95
30) 1,1,1-Trichloroethane	5.373	97	8549	4.301	ug/L	93
31) Carbon tetrachloride	5.666	117	7490	4.394	ug/L	100
33) Benzene	6.025	78	21007	4.057	ug/L	100
35) Methylcyclohexane	7.373	83	8950	3.971	ug/L	95
37) 1,2-Dichloropropane	7.428	63	5779	4.127	ug/L #	87
38) Bromodichloromethane	7.818	83	7692	4.376	ug/L #	91
39) cis-1,3-Dichloropropene	8.366	75	7293	3.208	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	15893	8.585	ug/L	90
42) Toluene	8.720	91	20617	3.881	ug/L	100
44) trans-1,3-Dichloropropene	8.976	75	6824	3.353	ug/L	92
45) 1,1,2-Trichloroethane	9.147	97	5572	4.263	ug/L	95

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46) Tetrachloroethene	9.275	164	3880	4.147	ug/L #	87
48) 2-Hexanone	9.433	43	11545	8.703	ug/L #	92
49) Dibromochloromethane	9.513	129	5396	4.093	ug/L	81
50) 1,2-Dibromoethane	9.610	107	5687	4.151	ug/L #	97
51) Chlorobenzene	10.073	112	13424	4.048	ug/L	91
52) Ethylbenzene	10.195	91	23001	3.961	ug/L	96
53) m,p-Xylene	10.299	106	8133	3.731	ug/L	97
54) o-Xylene	10.640	106	7722	3.594	ug/L	80
55) Styrene	10.653	104	12987	3.662	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.207	83	8627	4.254	ug/L	99
59) Bromoform	10.799	173	3222	3.543	ug/L	95
60) Isopropylbenzene	10.957	105	21921	3.971	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	7077	4.663	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	16845	3.719	ug/L	97
63) 1,2,4-Trimethylbenzene	11.750	105	16125	3.595	ug/L	98
64) 1,3-Dichlorobenzene	11.969	146	9236	4.070	ug/L	97
65) 1,4-Dichlorobenzene	12.037	146	9506	4.208	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	9219	4.097	ug/L	88
68) 1,2-Dibromo-3-chloropr...	12.945	75	1694	4.096	ug/L #	84
69) 1,3,5-Trichlorobenzene	13.109	180	5501	3.699	ug/L	96
70) 1,2,4-trichlorobenzene	13.591	180	4775	3.561	ug/L	95
71) Naphthalene	13.774	128	16678	3.207	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	4722	3.473	ug/L	98

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

