

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046517.D
 Acq On : 06 Jun 2025 09:13
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/06/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 15:52:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 15:52:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	100552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	177163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	76299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.976	65	2466	1.378	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	2.760%#		
35) Dibromofluoromethane	5.397	113	1589	1.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	2.440%#		
50) Toluene-d8	8.653	98	5192	1.209	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	2.420%#		
62) 4-Bromofluorobenzene	11.085	95	2802	1.577	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	3.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	1513	1.084	ug/l	99
3) Chloromethane	1.307	50	1844	1.451	ug/l #	85
4) Vinyl Chloride	1.386	62	1485	1.172	ug/l #	87
5) Bromomethane	1.630	94	2114	2.749	ug/l	99
6) Chloroethane	1.703	64	1287	1.566	ug/l	100
7) Trichlorofluoromethane	1.904	101	2590	1.236	ug/l	92
8) Diethyl Ether	2.148	74	767	1.036	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.343	101	1398	1.059	ug/l	92
10) Methyl Iodide	2.465	142	1282	0.896	ug/l	99
11) Tert butyl alcohol	2.965	59	761	3.834	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	1468	1.230	ug/l	90
13) Acrolein	2.258	56	409	1.976	ug/l #	83
14) Allyl chloride	2.678	41	2794	1.192	ug/l	97
15) Acrylonitrile	3.087	53	3875	5.163	ug/l #	93
16) Acetone	2.392	43	4568	5.959	ug/l	95
17) Carbon Disulfide	2.526	76	3696	1.241	ug/l	95
18) Methyl Acetate	2.721	43	1727	0.810	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	4384	1.050	ug/l #	87
20) Methylene Chloride	2.800	84	1715	1.195	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	1383	1.095	ug/l	94
22) Diisopropyl ether	3.776	45	4859	1.051	ug/l #	42
23) Vinyl Acetate	3.745	43	17019	4.769	ug/l	98
24) 1,1-Dichloroethane	3.629	63	2842	1.103	ug/l #	92
25) 2-Butanone	4.586	43	1689	1.696	ug/l #	90
26) 2,2-Dichloropropane	4.495	77	2028	1.060	ug/l	81
27) cis-1,2-Dichloroethene	4.513	96	1712	1.101	ug/l	93
28) Bromochloromethane	4.916	49	1424	1.159	ug/l #	92
29) Tetrahydrofuran	5.025	42	3041	4.835	ug/l #	87
30) Chloroform	5.105	83	3017	1.118	ug/l	97
31) Cyclohexane	5.477	56	2573	1.237	ug/l #	84
32) 1,1,1-Trichloroethane	5.397	97	2476	1.072	ug/l #	52
36) 1,1-Dichloropropene	5.696	75	2178	1.170	ug/l #	52
37) Ethyl Acetate	4.745	43	1036	0.619	ug/l #	70
38) Carbon Tetrachloride	5.690	117	2578	1.237	ug/l #	84
39) Methylcyclohexane	7.385	83	2503	1.139	ug/l	94
40) Benzene	6.050	78	6185	1.181	ug/l	98

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41) Methacrylonitrile	4.946	41	760	0.674	ug/l #	72
42) 1,2-Dichloroethane	6.111	62	2440	1.119	ug/l	87
43) Isopropyl Acetate	6.361	43	3151	0.995	ug/l #	95
44) Trichloroethene	7.129	130	1361	1.022	ug/l	83
45) 1,2-Dichloropropane	7.440	63	1526	1.128	ug/l #	87
46) Dibromomethane	7.598	93	1046	1.028	ug/l	94
47) Bromodichloromethane	7.830	83	2253	1.077	ug/l #	98
48) Methyl methacrylate	7.714	41	1346	0.826	ug/l	90
49) 1,4-Dioxane	7.690	88	249	11.429	ug/l #	68
51) 4-Methyl-2-Pentanone	8.580	43	9089	4.517	ug/l	99
52) Toluene	8.720	92	3569	1.109	ug/l	97
53) t-1,3-Dichloropropene	8.994	75	1703	0.908	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	2000	0.959	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	1250	0.967	ug/l #	82
56) Ethyl methacrylate	9.122	69	1730	0.870	ug/l	97
57) 1,3-Dichloropropane	9.311	76	2313	1.013	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.250	63	5252	4.849	ug/l	98
59) 2-Hexanone	9.439	43	6271	4.345	ug/l	100
60) Dibromochloromethane	9.518	129	1644	1.082	ug/l	97
61) 1,2-Dibromoethane	9.616	107	1296	0.963	ug/l	98
64) Tetrachloroethene	9.275	164	1280	1.225	ug/l #	88
65) Chlorobenzene	10.079	112	4188	1.139	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1326	1.068	ug/l #	66
67) Ethyl Benzene	10.195	91	6959	1.085	ug/l	96
68) m/p-Xylenes	10.305	106	4914	2.111	ug/l	100
69) o-Xylene	10.640	106	2225	0.988	ug/l	90
70) Styrene	10.665	104	3878	1.006	ug/l	97
71) Bromoform	10.799	173	838	0.885	ug/l #	91
73) Isopropylbenzene	10.963	105	6090	1.015	ug/l	93
74) N-amyl acetate	10.848	43	2355	0.892	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	2226	1.159	ug/l	96
76) 1,2,3-Trichloropropane	11.238	75	1946m	1.084	ug/l	
77) Bromobenzene	11.201	156	1463	1.051	ug/l	94
78) n-propylbenzene	11.305	91	7248	0.998	ug/l	100
79) 2-Chlorotoluene	11.366	91	5053	1.154	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	4877	0.976	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	474	0.846	ug/l	97
82) 4-Chlorotoluene	11.457	91	5454	1.051	ug/l	98
83) tert-Butylbenzene	11.713	119	5270	1.036	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	4871	0.963	ug/l	98
85) sec-Butylbenzene	11.890	105	6581	1.007	ug/l	97
86) p-Isopropyltoluene	12.012	119	5315	0.975	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	3011	1.114	ug/l	96
88) 1,4-Dichlorobenzene	11.969	146	3011	1.107	ug/l	97
89) n-Butylbenzene	12.335	91	4914	0.918	ug/l	97
90) Hexachloroethane	12.542	117	970	1.001	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	2850	1.092	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	468	1.089	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	1588	0.892	ug/l	94
94) Hexachlorobutadiene	13.719	225	799	0.966	ug/l	90
95) Naphthalene	13.774	128	4914	0.871	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1730	0.969	ug/l	94

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

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