

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040925\
 Data File : VX045664.D
 Acq On : 09 Apr 2025 10:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/10/2025
 Supervised By : Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	98594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	170453	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	93178	51.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.360%			
35) Dibromofluoromethane	5.373	113	64676	53.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.960%			
50) Toluene-d8	8.641	98	216891	51.382	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.760%			
62) 4-Bromofluorobenzene	11.079	95	85383	55.532	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.060%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	80223	54.408	ug/l	98
3) Chloromethane	1.300	50	73364	48.432	ug/l	99
4) Vinyl Chloride	1.374	62	68070	49.103	ug/l	100
5) Bromomethane	1.593	94	31282	47.592	ug/l	97
6) Chloroethane	1.666	64	38924	52.923	ug/l	99
7) Trichlorofluoromethane	1.874	101	107491	51.999	ug/l	98
8) Diethyl Ether	2.130	74	34540	49.768	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	64030	52.860	ug/l	97
10) Methyl Iodide	2.441	142	75341	49.865	ug/l	98
11) Tert butyl alcohol	2.977	59	60760	250.751	ug/l	99
12) 1,1-Dichloroethene	2.306	96	57773	48.810	ug/l	98
13) Acrolein	2.233	56	71940	215.595	ug/l	98
14) Allyl chloride	2.654	41	114031	50.776	ug/l	100
15) Acrylonitrile	3.062	53	183477	239.873	ug/l	99
16) Acetone	2.380	43	172243	232.643	ug/l	99
17) Carbon Disulfide	2.501	76	135575	46.377	ug/l	100
18) Methyl Acetate	2.703	43	91155	53.475	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	212677	51.365	ug/l	99
20) Methylene Chloride	2.782	84	67547	48.733	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	60067	49.674	ug/l	98
22) Diisopropyl ether	3.757	45	226945	51.300	ug/l	98
23) Vinyl Acetate	3.715	43	988964	258.743	ug/l	100
24) 1,1-Dichloroethane	3.605	63	123311	49.288	ug/l	100
25) 2-Butanone	4.550	43	265392	244.882	ug/l	99
26) 2,2-Dichloropropane	4.465	77	94027	58.169	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	72325	49.093	ug/l	98
28) Bromochloromethane	4.885	49	55670	46.046	ug/l	100
29) Tetrahydrofuran	4.995	42	168691	240.083	ug/l	99
30) Chloroform	5.086	83	129858	50.443	ug/l	97
31) Cyclohexane	5.458	56	107701	48.695	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	109187	50.125	ug/l	100
36) 1,1-Dichloropropene	5.684	75	82704	50.649	ug/l	99
37) Ethyl Acetate	4.708	43	100204	48.695	ug/l	99
38) Carbon Tetrachloride	5.666	117	94233	53.397	ug/l	99
39) Methylcyclohexane	7.373	83	107571	53.743	ug/l	95
40) Benzene	6.025	78	248974	49.925	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	58179	53.585	ug/l	97
42) 1,2-Dichloroethane	6.080	62	106676	51.791	ug/l	100
43) Isopropyl Acetate	6.336	43	163987	52.580	ug/l	99
44) Trichloroethene	7.116	130	59881	50.518	ug/l	91
45) 1,2-Dichloropropane	7.421	63	63615	51.125	ug/l	98
46) Dibromomethane	7.574	93	48718	51.004	ug/l	99
47) Bromodichloromethane	7.818	83	99424	52.121	ug/l	96
48) Methyl methacrylate	7.690	41	85929	53.362	ug/l	99
49) 1,4-Dioxane	7.659	88	31096	1067.317	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	537477	259.961	ug/l	100
52) Toluene	8.714	92	153268	50.790	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	89889	49.048	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	99782	55.664	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	61409	51.068	ug/l	97
56) Ethyl methacrylate	9.116	69	100629	54.073	ug/l	98
57) 1,3-Dichloropropane	9.305	76	107582	51.377	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	304462	323.406	ug/l	100
59) 2-Hexanone	9.427	43	400757	261.752	ug/l	100
60) Dibromochloromethane	9.518	129	69798	53.243	ug/l	99
61) 1,2-Dibromoethane	9.604	107	63194	51.914	ug/l	99
64) Tetrachloroethene	9.269	164	55185	52.870	ug/l	97
65) Chlorobenzene	10.073	112	165320	52.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57001	51.972	ug/l	99
67) Ethyl Benzene	10.189	91	300677	53.143	ug/l	99
68) m/p-Xylenes	10.299	106	219352	106.594	ug/l	100
69) o-Xylene	10.640	106	105799	52.190	ug/l	97
70) Styrene	10.652	104	181071	54.118	ug/l	99
71) Bromoform	10.799	173	44695	54.578	ug/l #	97
73) Isopropylbenzene	10.957	105	284951	49.428	ug/l	99
74) N-amyl acetate	10.841	43	146100	52.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	96249	47.526	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	85411m	48.651	ug/l	
77) Bromobenzene	11.195	156	65498	49.171	ug/l	100
78) n-propylbenzene	11.299	91	338085	50.914	ug/l	100
79) 2-Chlorotoluene	11.360	91	206840	48.724	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	243354	51.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26806	51.822	ug/l	98
82) 4-Chlorotoluene	11.451	91	240935	50.904	ug/l	100
83) tert-Butylbenzene	11.713	119	237194	50.257	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	248759	51.990	ug/l	100
85) sec-Butylbenzene	11.890	105	302409	52.168	ug/l	100
86) p-Isopropyltoluene	12.006	119	253229	52.986	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	122497	50.521	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	121623	49.477	ug/l	97
89) n-Butylbenzene	12.329	91	231337	55.821	ug/l	99
90) Hexachloroethane	12.536	117	43183	52.576	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	122650	50.878	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22753	53.721	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	73080	54.462	ug/l	98
94) Hexachlorobutadiene	13.725	225	31389	54.285	ug/l	98
95) Naphthalene	13.774	128	265127	53.094	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	73391	52.232	ug/l	99

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

