

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	144905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	233738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106047	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.373	113	79879	49.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	8.635	98	294942	50.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.940%		
62) 4-Bromofluorobenzene	11.061	95	105186	49.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	74849	49.215	ug/l	100
3) Chloromethane	1.301	50	87915	47.716	ug/l	100
4) Vinyl Chloride	1.380	62	97480	50.210	ug/l	100
5) Bromomethane	1.618	94	62910	49.497	ug/l	100
6) Chloroethane	1.697	64	58491	47.342	ug/l	100
7) Trichlorofluoromethane	1.898	101	149320	49.000	ug/l	100
8) Diethyl Ether	2.136	74	50491	48.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	84158	49.008	ug/l	100
10) Methyl Iodide	2.459	142	107865	52.442	ug/l	100
11) Tert butyl alcohol	2.941	59	35192	236.264	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82401	49.074	ug/l	100
13) Acrolein	2.233	56	72337	231.080	ug/l	100
14) Allyl chloride	2.666	41	147166	48.724	ug/l	100
15) Acrylonitrile	3.056	53	185879	260.427	ug/l	100
16) Acetone	2.374	43	181892	237.521	ug/l	100
17) Carbon Disulfide	2.514	76	252931	48.958	ug/l	100
18) Methyl Acetate	2.697	43	78566	50.371	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257848	50.980	ug/l	100
20) Methylene Chloride	2.788	84	92216	49.431	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	88909	51.182	ug/l	100
22) Diisopropyl ether	3.751	45	298658	50.498	ug/l	100
23) Vinyl Acetate	3.715	43	1154967	261.168	ug/l	100
24) 1,1-Dichloroethane	3.605	63	163290	48.666	ug/l	100
25) 2-Butanone	4.538	43	227696	255.213	ug/l	100
26) 2,2-Dichloropropane	4.465	77	137645	47.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	102610	49.771	ug/l	100
28) Bromochloromethane	4.885	49	81597	52.757	ug/l	100
29) Tetrahydrofuran	4.989	42	134302	256.331	ug/l	100
30) Chloroform	5.080	83	168931	47.821	ug/l	100
31) Cyclohexane	5.458	56	134044	48.824	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140456	48.391	ug/l	100
36) 1,1-Dichloropropene	5.684	75	117638	51.478	ug/l	100
37) Ethyl Acetate	4.696	43	94549	51.771	ug/l	100
38) Carbon Tetrachloride	5.666	117	134481	51.270	ug/l	100
39) Methylcyclohexane	7.367	83	134638	52.254	ug/l	100
40) Benzene	6.025	78	349840	51.556	ug/l	100

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41) Methacrylonitrile	4.904	41	53392	54.588	ug/l	100
42) 1,2-Dichloroethane	6.068	62	127674	52.516	ug/l	100
43) Isopropyl Acetate	6.324	43	162898	53.135	ug/l	100
44) Trichloroethene	7.111	130	85828	50.188	ug/l	100
45) 1,2-Dichloropropane	7.415	63	88167	51.339	ug/l	100
46) Dibromomethane	7.568	93	62671	50.719	ug/l	100
47) Bromodichloromethane	7.806	83	136069	50.951	ug/l	100
48) Methyl methacrylate	7.678	41	83574	53.254	ug/l	100
49) 1,4-Dioxane	7.641	88	14628	1035.490	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	461163	270.327	ug/l	100
52) Toluene	8.702	92	216685	53.129	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	132711	53.044	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	144189	52.875	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	78292	51.449	ug/l	100
56) Ethyl methacrylate	9.098	69	115491	55.800	ug/l	100
57) 1,3-Dichloropropane	9.293	76	137565	51.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	301874	237.498	ug/l	100
59) 2-Hexanone	9.415	43	323629	271.214	ug/l	100
60) Dibromochloromethane	9.506	129	99180	52.070	ug/l	100
61) 1,2-Dibromoethane	9.592	107	80814	51.792	ug/l	100
64) Tetrachloroethene	9.256	164	73122	49.965	ug/l	100
65) Chlorobenzene	10.061	112	234754	51.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82328	50.061	ug/l	100
67) Ethyl Benzene	10.177	91	413167	52.808	ug/l	100
68) m/p-Xylenes	10.287	106	309325	106.125	ug/l	100
69) o-Xylene	10.622	106	146328	53.330	ug/l	100
70) Styrene	10.640	104	257332	54.486	ug/l	100
71) Bromoform	10.781	173	62282	51.573	ug/l #	100
73) Isopropylbenzene	10.945	105	383184	53.140	ug/l	100
74) N-amyl acetate	10.823	43	143916	53.500	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	105230	51.513	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	83086m	52.482	ug/l	
77) Bromobenzene	11.177	156	92708	51.377	ug/l	100
78) n-propylbenzene	11.287	91	461479	52.775	ug/l	100
79) 2-Chlorotoluene	11.348	91	269780	51.065	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	314287	53.099	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34185	52.874	ug/l	100
82) 4-Chlorotoluene	11.433	91	325295	52.395	ug/l	100
83) tert-Butylbenzene	11.695	119	307163	51.367	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	316687	53.732	ug/l	100
85) sec-Butylbenzene	11.872	105	375832	51.411	ug/l	100
86) p-Isopropyltoluene	11.988	119	326853	53.044	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	174303	51.652	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	178082	50.909	ug/l	100
89) n-Butylbenzene	12.311	91	302597	52.723	ug/l	100
90) Hexachloroethane	12.518	117	64788	49.815	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	166224	52.135	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17468	46.797	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	97102	51.590	ug/l	100
94) Hexachlorobutadiene	13.701	225	35845	49.380	ug/l	100
95) Naphthalene	13.756	128	273763	55.178	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	94728	54.549	ug/l	100

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

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