

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120425\
 Data File : VX048717.D
 Acq On : 04 Dec 2025 09:57
 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 12/05/2025
 Supervised By : Semsettin Yesilyurt 12/05/2025

Quant Time: Dec 05 02:09:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 02:05:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	186557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	289095	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107907	43.095	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.180%		
35) Dibromofluoromethane	5.373	113	96652	48.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.120%		
50) Toluene-d8	8.635	98	379431	54.380	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	108.760%		
62) 4-Bromofluorobenzene	11.061	95	132614	55.117	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	106688	56.128	ug/l	100
3) Chloromethane	1.301	50	120299	50.154	ug/l	100
4) Vinyl Chloride	1.380	62	132300	51.790	ug/l	100
5) Bromomethane	1.618	94	87152	55.207	ug/l	100
6) Chloroethane	1.697	64	79501	50.005	ug/l	100
7) Trichlorofluoromethane	1.898	101	192516	52.582	ug/l	100
8) Diethyl Ether	2.136	74	70921	48.532	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	111195	52.388	ug/l	100
10) Methyl Iodide	2.459	142	161441	53.427	ug/l	100
11) Tert butyl alcohol	2.934	59	107184	265.136	ug/l	100
12) 1,1-Dichloroethene	2.325	96	112110	51.751	ug/l	100
13) Acrolein	2.233	56	79940	212.073	ug/l	100
14) Allyl chloride	2.666	41	200567	55.145	ug/l	100
15) Acrylonitrile	3.056	53	342616	271.992	ug/l	100
16) Acetone	2.374	43	229958	239.900	ug/l	100
17) Carbon Disulfide	2.520	76	330819	52.586	ug/l	100
18) Methyl Acetate	2.697	43	145030	53.775	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	372341	52.813	ug/l	100
20) Methylene Chloride	2.788	84	121277	50.618	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	116779	52.817	ug/l	100
22) Diisopropyl ether	3.751	45	292407	43.018	ug/l	100
23) Vinyl Acetate	3.715	43	1289003	225.685	ug/l	100
24) 1,1-Dichloroethane	3.605	63	169753	44.783	ug/l	100
25) 2-Butanone	4.538	43	314742	222.473	ug/l	100
26) 2,2-Dichloropropane	4.471	77	155016	46.219	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	117259	46.998	ug/l	100
28) Bromochloromethane	4.885	49	77742	41.844	ug/l	100
29) Tetrahydrofuran	4.983	42	231381	214.189	ug/l	100
30) Chloroform	5.080	83	182965	45.048	ug/l	100
31) Cyclohexane	5.464	56	148617	43.914	ug/l	100
32) 1,1,1-Trichloroethane	5.367	97	170109	46.744	ug/l	100
36) 1,1-Dichloropropene	5.684	75	126774	46.500	ug/l	100
37) Ethyl Acetate	4.696	43	156032	47.897	ug/l	100
38) Carbon Tetrachloride	5.666	117	152584	49.410	ug/l	100
39) Methylcyclohexane	7.367	83	185682	57.597	ug/l	100
40) Benzene	6.025	78	382480	47.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	70025	47.244	ug/l	100
42) 1,2-Dichloroethane	6.074	62	130710	45.694	ug/l	100
43) Isopropyl Acetate	6.324	43	218619	44.319	ug/l	100
44) Trichloroethene	7.111	130	106003	50.267	ug/l	100
45) 1,2-Dichloropropane	7.415	63	110713	54.808	ug/l	100
46) Dibromomethane	7.568	93	83655	54.610	ug/l	100
47) Bromodichloromethane	7.806	83	169698	53.133	ug/l	100
48) Methyl methacrylate	7.677	41	134523	54.212	ug/l	100
49) 1,4-Dioxane	7.641	88	36323	1064.346	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	874869	285.735	ug/l	100
52) Toluene	8.702	92	278645	57.175	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	173511	57.105	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	186114	56.995	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	109166	55.671	ug/l	100
56) Ethyl methacrylate	9.098	69	181275	59.060	ug/l	100
57) 1,3-Dichloropropane	9.293	76	181544	55.677	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	496729	299.430	ug/l	100
59) 2-Hexanone	9.415	43	639088	297.342	ug/l	100
60) Dibromochloromethane	9.506	129	135150	55.738	ug/l	100
61) 1,2-Dibromoethane	9.592	107	118684	55.922	ug/l	100
64) Tetrachloroethene	9.256	164	98419	48.390	ug/l	100
65) Chlorobenzene	10.061	112	303422	49.679	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	105994	48.520	ug/l	100
67) Ethyl Benzene	10.177	91	528248	53.003	ug/l	100
68) m/p-Xylenes	10.281	106	399998	103.033	ug/l	100
69) o-Xylene	10.622	106	189164	51.999	ug/l	100
70) Styrene	10.640	104	326481	52.277	ug/l	100
71) Bromoform	10.781	173	91650	46.993	ug/l #	100
73) Isopropylbenzene	10.945	105	495714	53.906	ug/l	100
74) N-amyl acetate	10.823	43	237184	59.361	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	160851	51.840	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	130756m	49.942	ug/l	
77) Bromobenzene	11.177	156	120915	49.264	ug/l	100
78) n-propylbenzene	11.287	91	587537	55.165	ug/l	100
79) 2-Chlorotoluene	11.348	91	343958	52.961	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	402294	53.222	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	56706	52.997	ug/l	100
82) 4-Chlorotoluene	11.433	91	407164	53.724	ug/l	100
83) tert-Butylbenzene	11.695	119	412891	52.570	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	407120	53.394	ug/l	100
85) sec-Butylbenzene	11.872	105	513956	53.995	ug/l	100
86) p-Isopropyltoluene	11.988	119	433944	53.334	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	224775	49.677	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	226733	48.491	ug/l	100
89) n-Butylbenzene	12.311	91	403752	53.000	ug/l	100
90) Hexachloroethane	12.518	117	81034	48.798	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	215818	49.198	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36555	48.408	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	136083	46.970	ug/l	100
94) Hexachlorobutadiene	13.707	225	53860	44.943	ug/l	100
95) Naphthalene	13.756	128	428755	51.898	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	126875	47.485	ug/l	100

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

