

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110425\
 Data File : VX048471.D
 Acq On : 04 Nov 2025 09:10
 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 :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 01:41:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.525	168	141843	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	232065	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	217919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	92391	45.291	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.580%		
35) Dibromofluoromethane	5.361	113	65424	49.448	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.628	98	311402	53.318	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.640%		
62) 4-Bromofluorobenzene	11.061	95	113274	51.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	78298	54.115	ug/l	96
3) Chloromethane	1.301	50	48233	59.086	ug/l	97
4) Vinyl Chloride	1.380	62	108644	57.615	ug/l	98
5) Bromomethane	1.618	94	32818	48.177	ug/l	95
6) Chloroethane	1.697	64	49769	44.380	ug/l	90
7) Trichlorofluoromethane	1.892	101	139378	48.233	ug/l	99
8) Diethyl Ether	2.136	74	62766	60.099	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	84831	52.190	ug/l	97
10) Methyl Iodide	2.453	142	331126	50.662	ug/l	98
11) Tert butyl alcohol	2.934	59	39925	255.461	ug/l	100
12) 1,1-Dichloroethene	2.325	96	91388	55.353	ug/l	97
13) Acrolein	2.233	56	94186	288.719	ug/l	100
14) Allyl chloride	2.660	41	146184	52.285	ug/l	94
15) Acrylonitrile	3.050	53	185249	260.554	ug/l	97
16) Acetone	2.367	43	111107	240.316	ug/l	98
17) Carbon Disulfide	2.514	76	249816	52.772	ug/l	100
18) Methyl Acetate	2.697	43	79758	51.579	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	299585	56.665	ug/l	96
20) Methylene Chloride	2.788	84	96165	53.958	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	93963	53.582	ug/l	99
22) Diisopropyl ether	3.745	45	317457	55.472	ug/l	91
23) Vinyl Acetate	3.709	43	1094672	280.998	ug/l	98
24) 1,1-Dichloroethane	3.599	63	177516	54.657	ug/l	100
25) 2-Butanone	4.532	43	183509	248.459	ug/l	96
26) 2,2-Dichloropropane	4.458	77	152227	54.437	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	120704	57.673	ug/l	93
28) Bromochloromethane	4.879	49	72345	49.151	ug/l #	82
29) Tetrahydrofuran	4.983	42	111530	212.039	ug/l	90
30) Chloroform	5.074	83	156109	46.726	ug/l	99
31) Cyclohexane	5.452	56	109133	38.711	ug/l	91
32) 1,1,1-Trichloroethane	5.361	97	136493	46.278	ug/l	97
36) 1,1-Dichloropropene	5.672	75	102873	46.300	ug/l	99
37) Ethyl Acetate	4.690	43	98353	51.957	ug/l	97
38) Carbon Tetrachloride	5.659	117	117695	45.878	ug/l	99
39) Methylcyclohexane	7.360	83	118566	41.496	ug/l	95
40) Benzene	6.019	78	320719	47.249	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	46317	48.576	ug/l	95
42) 1,2-Dichloroethane	6.062	62	110490	46.213	ug/l	98
43) Isopropyl Acetate	6.312	43	137555	44.013	ug/l #	93
44) Trichloroethene	7.104	130	86824	48.821	ug/l	98
45) 1,2-Dichloropropane	7.409	63	85159	50.235	ug/l	99
46) Dibromomethane	7.562	93	62939	53.036	ug/l	93
47) Bromodichloromethane	7.799	83	150766	59.794	ug/l	97
48) Methyl methacrylate	7.671	41	84612	55.516	ug/l	91
49) 1,4-Dioxane	7.635	88	20866	1204.508	ug/l #	86
51) 4-Methyl-2-Pentanone	8.555	43	470241	270.356	ug/l	97
52) Toluene	8.702	92	223723	52.747	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	135164	59.142	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	138115	56.091	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	86162	56.135	ug/l	96
56) Ethyl methacrylate	9.098	69	126040	56.080	ug/l	98
57) 1,3-Dichloropropane	9.287	76	145871	54.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	349458	260.645	ug/l	97
59) 2-Hexanone	9.409	43	295846	261.406	ug/l	100
60) Dibromochloromethane	9.500	129	108260	57.029	ug/l	99
61) 1,2-Dibromoethane	9.592	107	86509	54.480	ug/l	100
64) Tetrachloroethene	9.256	164	78278	44.604	ug/l	96
65) Chlorobenzene	10.061	112	247654	49.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	89400	52.351	ug/l	99
67) Ethyl Benzene	10.177	91	408861	48.368	ug/l	98
68) m/p-Xylenes	10.281	106	308275	96.318	ug/l	99
69) o-Xylene	10.622	106	148069	48.412	ug/l	99
70) Styrene	10.634	104	262278	50.621	ug/l	100
71) Bromoform	10.781	173	65587	53.091	ug/l #	99
73) Isopropylbenzene	10.945	105	365132	48.746	ug/l	100
74) N-amyl acetate	10.823	43	148373	55.526	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	101397	53.442	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	82432m	56.599	ug/l	
77) Bromobenzene	11.177	156	96026	51.897	ug/l	96
78) n-propylbenzene	11.287	91	426617	48.188	ug/l	98
79) 2-Chlorotoluene	11.347	91	260994	49.101	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	298550	48.622	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	23234	55.206	ug/l #	66
82) 4-Chlorotoluene	11.433	91	312676	50.038	ug/l	99
83) tert-Butylbenzene	11.695	119	292995	46.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	299538	49.269	ug/l	100
85) sec-Butylbenzene	11.872	105	350466	44.995	ug/l	99
86) p-Isopropyltoluene	11.988	119	304994	46.318	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	164097	46.438	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	168825	46.907	ug/l	99
89) n-Butylbenzene	12.311	91	276964	44.798	ug/l	99
90) Hexachloroethane	12.518	117	53486	46.226	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	158710	48.467	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	19331	52.031	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	92359	40.874	ug/l	100
94) Hexachlorobutadiene	13.707	225	37712	39.787	ug/l	98
95) Naphthalene	13.756	128	250512	43.896	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	82167	40.033	ug/l	99

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

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