

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048416.D
 Acq On : 31 Oct 2025 09:18
 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 11/03/2025
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 22:58:07 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	5.531	168	152790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	255523	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	229228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	111736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	113499	51.653	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.300%			
35) Dibromofluoromethane	5.361	113	75703	51.964	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.920%			
50) Toluene-d8	8.628	98	326218	50.727	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.061	95	120070	49.912	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	75014	48.131	ug/l	96
3) Chloromethane	1.301	50	45644	51.908	ug/l	98
4) Vinyl Chloride	1.380	62	101174	49.809	ug/l	98
5) Bromomethane	1.618	94	40685	55.447	ug/l	99
6) Chloroethane	1.697	64	60986	50.486	ug/l	97
7) Trichlorofluoromethane	1.898	101	153970	49.465	ug/l	99
8) Diethyl Ether	2.130	74	58371	51.886	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	85744	48.973	ug/l	97
10) Methyl Iodide	2.453	142	339008	48.152	ug/l	98
11) Tert butyl alcohol	2.928	59	42503	252.471	ug/l	98
12) 1,1-Dichloroethene	2.325	96	88655	49.850	ug/l	91
13) Acrolein	2.233	56	98542	280.429	ug/l	100
14) Allyl chloride	2.660	41	151934	50.448	ug/l	97
15) Acrylonitrile	3.050	53	204878	267.516	ug/l	99
16) Acetone	2.367	43	126129	253.262	ug/l	100
17) Carbon Disulfide	2.514	76	254137	49.839	ug/l	100
18) Methyl Acetate	2.697	43	84085	50.482	ug/l	96
19) Methyl tert-butyl Ether	3.099	73	297192	52.184	ug/l	97
20) Methylene Chloride	2.782	84	99202	51.674	ug/l	93
21) trans-1,2-Dichloroethene	3.087	96	94332	49.938	ug/l	99
22) Diisopropyl ether	3.745	45	324559	52.650	ug/l	88
23) Vinyl Acetate	3.709	43	1115978	265.943	ug/l	97
24) 1,1-Dichloroethane	3.599	63	177039	50.605	ug/l	99
25) 2-Butanone	4.532	43	203957	256.360	ug/l	97
26) 2,2-Dichloropropane	4.458	77	151759	50.381	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	114120	50.620	ug/l	98
28) Bromochloromethane	4.879	49	83225	52.491	ug/l	93
29) Tetrahydrofuran	4.977	42	143309	252.936	ug/l	98
30) Chloroform	5.074	83	179084	49.762	ug/l	98
31) Cyclohexane	5.452	56	144767	47.672	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	158417	49.863	ug/l	99
36) 1,1-Dichloropropene	5.672	75	119169	48.711	ug/l	98
37) Ethyl Acetate	4.684	43	106033	50.871	ug/l	97
38) Carbon Tetrachloride	5.660	117	136272	48.243	ug/l	99
39) Methylcyclohexane	7.360	83	148486	47.197	ug/l	96
40) Benzene	6.019	78	376035	50.313	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	58133	55.371	ug/l	96
42) 1,2-Dichloroethane	6.062	62	134546	51.109	ug/l	98
43) Isopropyl Acetate	6.312	43	181673	52.793	ug/l	97
44) Trichloroethene	7.104	130	98438	50.271	ug/l	96
45) 1,2-Dichloropropane	7.409	63	94277	50.508	ug/l	100
46) Dibromomethane	7.556	93	66880	51.183	ug/l	97
47) Bromodichloromethane	7.799	83	144278	51.967	ug/l	99
48) Methyl methacrylate	7.671	41	90597	53.986	ug/l	96
49) 1,4-Dioxane	7.641	88	21610	1132.935	ug/l	92
51) 4-Methyl-2-Pentanone	8.549	43	493476	257.669	ug/l	96
52) Toluene	8.702	92	236939	50.735	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	135417	53.813	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	143774	53.029	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	86495	51.179	ug/l	97
56) Ethyl methacrylate	9.098	69	131183	53.010	ug/l	97
57) 1,3-Dichloropropane	9.287	76	148498	50.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	380217	257.663	ug/l	97
59) 2-Hexanone	9.409	43	320230	256.975	ug/l	97
60) Dibromochloromethane	9.500	129	107576	51.467	ug/l	99
61) 1,2-Dibromoethane	9.592	107	90387	51.697	ug/l	97
64) Tetrachloroethene	9.256	164	89451	48.456	ug/l	98
65) Chlorobenzene	10.061	112	258503	48.950	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.140	131	91596	50.990	ug/l	100
67) Ethyl Benzene	10.177	91	445293	50.079	ug/l	98
68) m/p-Xylenes	10.281	106	339842	100.942	ug/l	96
69) o-Xylene	10.622	106	162637	50.552	ug/l	97
70) Styrene	10.634	104	282650	51.862	ug/l	99
71) Bromoform	10.781	173	67415	51.879	ug/l #	100
73) Isopropylbenzene	10.945	105	415638	50.292	ug/l	99
74) N-amyl acetate	10.823	43	154874	52.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	104968	50.143	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	88324m	54.965	ug/l	
77) Bromobenzene	11.177	156	103330	50.614	ug/l	96
78) n-propylbenzene	11.287	91	489090	50.071	ug/l	98
79) 2-Chlorotoluene	11.348	91	294010	50.133	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	347518	51.297	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	25635	55.207	ug/l #	54
82) 4-Chlorotoluene	11.433	91	345977	50.182	ug/l	97
83) tert-Butylbenzene	11.695	119	336164	48.741	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	348276	51.921	ug/l	99
85) sec-Butylbenzene	11.872	105	426930	49.679	ug/l	100
86) p-Isopropyltoluene	11.988	119	364568	50.180	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	186450	47.822	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	190416	47.952	ug/l	99
89) n-Butylbenzene	12.311	91	335539	49.190	ug/l	98
90) Hexachloroethane	12.518	117	64583	50.589	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	181779	50.313	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20863	50.896	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	123235	49.430	ug/l	99
94) Hexachlorobutadiene	13.707	225	49140	46.989	ug/l	97
95) Naphthalene	13.756	128	330326	52.461	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	114145	50.405	ug/l	97

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

