

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048600.D
 Acq On : 13 Nov 2025 16:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 14 04:26:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	130010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	222539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	107819	59.516	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 119.040%#	
35) Dibromofluoromethane	5.373	113	84986	50.457	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.920%	
50) Toluene-d8	8.634	98	284471	54.153	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 108.300%	
62) 4-Bromofluorobenzene	11.061	95	109106	55.733	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	57183	54.280	ug/l	98
3) Chloromethane	1.300	50	84607	60.552	ug/l	100
4) Vinyl Chloride	1.380	62	97278	61.490	ug/l	99
5) Bromomethane	1.611	94	68610	68.682	ug/l	97
6) Chloroethane	1.691	64	63954	61.729	ug/l	99
7) Trichlorofluoromethane	1.898	101	148315	59.259	ug/l	99
8) Diethyl Ether	2.136	74	65893	65.588	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	88421	61.025	ug/l	99
10) Methyl Iodide	2.459	142	136884	63.836	ug/l	98
11) Tert butyl alcohol	2.940	59	118283	344.573	ug/l	98
12) 1,1-Dichloroethene	2.325	96	94099	62.175	ug/l	96
13) Acrolein	2.239	56	17259	347.492	ug/l	99
14) Allyl chloride	2.666	41	174323	61.864	ug/l	99
15) Acrylonitrile	3.056	53	352511	351.773	ug/l	100
16) Acetone	2.373	43	311353	363.085	ug/l	97
17) Carbon Disulfide	2.514	76	236272	55.478	ug/l	100
18) Methyl Acetate	2.697	43	158103	67.090	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	359782	67.319	ug/l	99
20) Methylene Chloride	2.788	84	112837	64.003	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	100387	62.583	ug/l	98
22) Diisopropyl ether	3.751	45	361249	66.765	ug/l	93
23) Vinyl Acetate	3.715	43	1598089	337.234	ug/l	100
24) 1,1-Dichloroethane	3.605	63	193983	65.338	ug/l	98
25) 2-Butanone	4.538	43	412560	325.220	ug/l	99
26) 2,2-Dichloropropane	4.471	77	143198	56.576	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	116445	59.389	ug/l	98
28) Bromochloromethane	4.885	49	70830	48.564	ug/l	94
29) Tetrahydrofuran	4.989	42	242780	268.337	ug/l	99
30) Chloroform	5.080	83	161062	52.549	ug/l	99
31) Cyclohexane	5.464	56	109577	45.045	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	136703	51.106	ug/l	98
36) 1,1-Dichloropropene	5.684	75	101194	44.868	ug/l	97
37) Ethyl Acetate	4.696	43	165000	51.973	ug/l	99
38) Carbon Tetrachloride	5.666	117	117509	45.770	ug/l	98
39) Methylcyclohexane	7.366	83	109714	43.324	ug/l	98
40) Benzene	6.025	78	319517	45.703	ug/l	99

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41) Methacrylonitrile	4.903	41	75010	53.726	ug/l	95
42) 1,2-Dichloroethane	6.068	62	125824	52.528	ug/l	97
43) Isopropyl Acetate	6.324	43	229209	51.361	ug/l	97
44) Trichloroethene	7.110	130	79532	47.593	ug/l	94
45) 1,2-Dichloropropane	7.415	63	83479	51.932	ug/l	97
46) Dibromomethane	7.568	93	66046	56.332	ug/l	95
47) Bromodichloromethane	7.805	83	135512	57.937	ug/l	98
48) Methyl methacrylate	7.677	41	117375	59.166	ug/l	94
49) 1,4-Dioxane	7.647	88	32210	1065.538	ug/l #	94
51) 4-Methyl-2-Pentanone	8.555	43	794292	312.673	ug/l	98
52) Toluene	8.702	92	206265	56.039	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	139422	57.849	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	145673	58.373	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	87448	59.466	ug/l	96
56) Ethyl methacrylate	9.104	69	145586	59.504	ug/l #	92
57) 1,3-Dichloropropane	9.293	76	149211	58.293	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	390967	297.226	ug/l	98
59) 2-Hexanone	9.415	43	604531	319.918	ug/l	96
60) Dibromochloromethane	9.506	129	106762	59.130	ug/l	98
61) 1,2-Dibromoethane	9.592	107	94163	59.119	ug/l	99
64) Tetrachloroethene	9.256	164	66790	43.402	ug/l	97
65) Chlorobenzene	10.061	112	233069	46.347	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	84421	50.102	ug/l	99
67) Ethyl Benzene	10.177	91	392930	46.531	ug/l	97
68) m/p-Xylenes	10.287	106	304385	95.707	ug/l	98
69) o-Xylene	10.622	106	146150	46.968	ug/l	96
70) Styrene	10.640	104	254872	48.828	ug/l	98
71) Bromoform	10.780	173	74501	47.926	ug/l #	99
73) Isopropylbenzene	10.945	105	377630	45.994	ug/l	98
74) N-amyl acetate	10.829	43	200999	48.755	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	136388	47.104	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	127881m	46.927	ug/l	
77) Bromobenzene	11.183	156	96842	45.677	ug/l	96
78) n-propylbenzene	11.286	91	439081	45.480	ug/l	99
79) 2-Chlorotoluene	11.347	91	263647	45.193	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	304505	45.494	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	44511	46.720	ug/l	89
82) 4-Chlorotoluene	11.439	91	315892	46.162	ug/l	99
83) tert-Butylbenzene	11.695	119	309050	44.641	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	310214	45.934	ug/l	99
85) sec-Butylbenzene	11.872	105	371397	43.405	ug/l	100
86) p-Isopropyltoluene	11.994	119	315481	43.856	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	173776	43.732	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	180005	43.856	ug/l	99
89) n-Butylbenzene	12.317	91	291620	43.214	ug/l	99
90) Hexachloroethane	12.518	117	60424	44.087	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	170051	44.579	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	32388	48.134	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	104585	41.259	ug/l	98
94) Hexachlorobutadiene	13.707	225	40182	37.920	ug/l	98
95) Naphthalene	13.756	128	384797	47.215	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	102620	43.523	ug/l	99

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

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