

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102425\
 Data File : VX048353.D
 Acq On : 24 Oct 2025 15:49
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2025
 Supervised By : Mahesh Dadoda 10/27/2025

Quant Time: Oct 24 23:05:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	137837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	230908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	201897	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	101580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	93855	48.565	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.120%		
35) Dibromofluoromethane	5.373	113	62140	39.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.840%		
50) Toluene-d8	8.634	98	257823	46.661	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.320%		
62) 4-Bromofluorobenzene	11.061	95	95120	45.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	62926	44.408	ug/l	99
3) Chloromethane	1.300	50	31755	24.009	ug/l	97
4) Vinyl Chloride	1.380	62	83473	68.154	ug/l	99
5) Bromomethane	1.617	94	29188	35.116	ug/l	99
6) Chloroethane	1.697	64	50231	69.795	ug/l	97
7) Trichlorofluoromethane	1.898	101	143311	61.011	ug/l	99
8) Diethyl Ether	2.136	74	47003	71.117	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	77462	52.078	ug/l	98
10) Methyl Iodide	2.459	142	271342	145.110	ug/l	99
11) Tert butyl alcohol	2.934	59	36075	188.008	ug/l	99
12) 1,1-Dichloroethene	2.325	96	74594	51.547	ug/l	99
13) Acrolein	2.233	56	59385	303.455	ug/l	99
14) Allyl chloride	2.666	41	126438	52.626	ug/l	96
15) Acrylonitrile	3.056	53	165690	239.471	ug/l	99
16) Acetone	2.373	43	128465	193.768	ug/l	97
17) Carbon Disulfide	2.520	76	202530	44.407	ug/l	100
18) Methyl Acetate	2.697	43	70947	51.241	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	242830	49.188	ug/l	99
20) Methylene Chloride	2.788	84	78803	48.781	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	77645	48.846	ug/l	95
22) Diisopropyl ether	3.751	45	271845	56.729	ug/l	96
23) Vinyl Acetate	3.715	43	939179	245.353	ug/l	100
24) 1,1-Dichloroethane	3.605	63	150722	52.017	ug/l	99
25) 2-Butanone	4.538	43	182514	217.495	ug/l	99
26) 2,2-Dichloropropane	4.471	77	131948	50.451	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	92543	49.885	ug/l	97
28) Bromochloromethane	4.891	49	63375	52.749	ug/l	98
29) Tetrahydrofuran	4.989	42	120176	239.119	ug/l	98
30) Chloroform	5.080	83	156317	50.495	ug/l	97
31) Cyclohexane	5.458	56	129162	53.842	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	140509	49.248	ug/l	98
36) 1,1-Dichloropropene	5.684	75	103893	46.369	ug/l	99
37) Ethyl Acetate	4.696	43	94821	51.057	ug/l	99
38) Carbon Tetrachloride	5.665	117	121202	43.846	ug/l	99
39) Methylcyclohexane	7.366	83	131596	49.732	ug/l	96
40) Benzene	6.025	78	312187	47.991	ug/l	98

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41) Methacrylonitrile	4.903	41	48739	49.974	ug/l	99
42) 1,2-Dichloroethane	6.074	62	119697	49.865	ug/l	99
43) Isopropyl Acetate	6.318	43	152346	49.940	ug/l	99
44) Trichloroethene	7.110	130	79852	46.488	ug/l	99
45) 1,2-Dichloropropane	7.415	63	78729	50.904	ug/l	95
46) Dibromomethane	7.568	93	56015	46.488	ug/l	98
47) Bromodichloromethane	7.805	83	122472	47.075	ug/l	99
48) Methyl methacrylate	7.677	41	77157	50.123	ug/l	97
49) 1,4-Dioxane	7.641	88	15616	767.869	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	427244	242.909	ug/l	98
52) Toluene	8.702	92	195954	47.417	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	111521	44.482	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	115185	42.583	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	70725	46.020	ug/l	99
56) Ethyl methacrylate	9.098	69	106860	47.538	ug/l	97
57) 1,3-Dichloropropane	9.293	76	124600	47.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	299785	248.040	ug/l	100
59) 2-Hexanone	9.415	43	289819	236.310	ug/l	99
60) Dibromochloromethane	9.506	129	88240	42.719	ug/l	100
61) 1,2-Dibromoethane	9.592	107	72202	44.069	ug/l	99
64) Tetrachloroethene	9.256	164	71595	47.502	ug/l	97
65) Chlorobenzene	10.061	112	212798	46.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	75776	45.425	ug/l	99
67) Ethyl Benzene	10.177	91	378873	48.997	ug/l	99
68) m/p-Xylenes	10.287	106	282564	98.351	ug/l	100
69) o-Xylene	10.622	106	134320	48.426	ug/l	100
70) Styrene	10.640	104	231504	49.017	ug/l	99
71) Bromoform	10.780	173	52852	39.641	ug/l #	98
73) Isopropylbenzene	10.945	105	359740	48.486	ug/l	100
74) N-amyl acetate	10.823	43	136716	51.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	89239	44.044	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	81364m	49.393	ug/l	
77) Bromobenzene	11.183	156	84698	45.528	ug/l	99
78) n-propylbenzene	11.286	91	433271	50.437	ug/l	100
79) 2-Chlorotoluene	11.347	91	251854	48.357	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	297431	48.442	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	19309	28.518	ug/l #	75
82) 4-Chlorotoluene	11.433	91	300933	48.674	ug/l	100
83) tert-Butylbenzene	11.695	119	303155	48.055	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	297974	48.628	ug/l	99
85) sec-Butylbenzene	11.872	105	377937	49.795	ug/l	99
86) p-Isopropyltoluene	11.994	119	319358	48.680	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	157580	44.932	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	158565	43.644	ug/l	99
89) n-Butylbenzene	12.311	91	304622	51.016	ug/l	100
90) Hexachloroethane	12.518	117	55291	42.679	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	147165	44.694	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	17860	43.426	ug/l	92
93) 1,2,4-Trichlorobenzene	13.567	180	101661	45.654	ug/l	99
94) Hexachlorobutadiene	13.707	225	42413	50.828	ug/l	97
95) Naphthalene	13.756	128	262366	44.472	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	93463	45.740	ug/l	99

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

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