

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048766.D
 Acq On : 08 Dec 2025 19:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2025
 Supervised By : Mahesh Dadoda 12/09/2025

Quant Time: Dec 09 04:16:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	148950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	232893	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	162972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	83975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	104705	52.374	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.740%			
35) Dibromofluoromethane	5.367	113	71673	44.696	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.400%			
50) Toluene-d8	8.634	98	215725	38.379	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 76.760%#			
62) 4-Bromofluorobenzene	11.061	95	74728	38.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 77.100%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	84333	55.569	ug/l	100
3) Chloromethane	1.300	50	83432	43.566	ug/l	99
4) Vinyl Chloride	1.380	62	92670	45.436	ug/l	99
5) Bromomethane	1.611	94	65155	51.693	ug/l	96
6) Chloroethane	1.697	64	59026	46.500	ug/l	99
7) Trichlorofluoromethane	1.898	101	151618	51.867	ug/l	97
8) Diethyl Ether	2.136	74	55434	47.511	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	83861	49.486	ug/l	98
10) Methyl Iodide	2.459	142	113765	47.155	ug/l	94
11) Tert butyl alcohol	2.946	59	79977	247.785	ug/l	98
12) 1,1-Dichloroethene	2.325	96	80303	46.428	ug/l	94
13) Acrolein	2.233	56	93315	291.496	ug/l	98
14) Allyl chloride	2.666	41	149462	51.470	ug/l	91
15) Acrylonitrile	3.062	53	264109	262.605	ug/l	99
16) Acetone	2.373	43	277997	363.239	ug/l	96
17) Carbon Disulfide	2.520	76	225880	44.970	ug/l	99
18) Methyl Acetate	2.696	43	120029	55.741	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	308941	54.884	ug/l	99
20) Methylene Chloride	2.788	84	81994	42.862	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	90100	51.040	ug/l	96
22) Diisopropyl ether	3.751	45	312412	57.565	ug/l	96
23) Vinyl Acetate	3.715	43	1390572	304.939	ug/l	96
24) 1,1-Dichloroethane	3.605	63	167527	55.355	ug/l	98
25) 2-Butanone	4.538	43	343966	304.516	ug/l	93
26) 2,2-Dichloropropane	4.471	77	124224	46.389	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	90284	45.323	ug/l	92
28) Bromochloromethane	4.885	49	65051	43.853	ug/l #	81
29) Tetrahydrofuran	4.989	42	227690	263.989	ug/l	91
30) Chloroform	5.086	83	155740	48.026	ug/l	98
31) Cyclohexane	5.464	56	145425	53.820	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	146286	50.347	ug/l	96
36) 1,1-Dichloropropene	5.678	75	121037	55.109	ug/l	97
37) Ethyl Acetate	4.696	43	167971	64.004	ug/l	96
38) Carbon Tetrachloride	5.672	117	137300	55.190	ug/l	93
39) Methylcyclohexane	7.366	83	137145	52.808	ug/l	97
40) Benzene	6.025	78	355801	54.647	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	70249	58.832	ug/l	94
42) 1,2-Dichloroethane	6.074	62	136247	59.124	ug/l	96
43) Isopropyl Acetate	6.324	43	244369	61.494	ug/l	95
44) Trichloroethene	7.110	130	88201	51.918	ug/l	97
45) 1,2-Dichloropropane	7.415	63	87767	53.933	ug/l	99
46) Dibromomethane	7.568	93	66009	53.489	ug/l	97
47) Bromodichloromethane	7.805	83	137041	53.263	ug/l	98
48) Methyl methacrylate	7.677	41	117362	58.710	ug/l	91
49) 1,4-Dioxane	7.647	88	28640	1041.737	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	676958	274.452	ug/l	96
52) Toluene	8.701	92	166662	42.449	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	106602	43.551	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	126994	48.275	ug/l #	91
55) 1,1,2-Trichloroethane	9.134	97	66956	42.385	ug/l	96
56) Ethyl methacrylate	9.098	69	111292	45.010	ug/l #	93
57) 1,3-Dichloropropane	9.293	76	111272	42.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	383547	286.998	ug/l	97
59) 2-Hexanone	9.415	43	439158	253.630	ug/l	96
60) Dibromochloromethane	9.506	129	84174	43.092	ug/l	100
61) 1,2-Dibromoethane	9.592	107	72844	42.606	ug/l	99
64) Tetrachloroethene	9.256	164	59580	50.155	ug/l	98
65) Chlorobenzene	10.061	112	185773	52.077	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.146	131	67560	52.950	ug/l	98
67) Ethyl Benzene	10.177	91	322405	55.386	ug/l	99
68) m/p-Xylenes	10.287	106	246039	108.507	ug/l	99
69) o-Xylene	10.622	106	117463	55.283	ug/l	99
70) Styrene	10.640	104	202723	55.577	ug/l	99
71) Bromoform	10.780	173	60559	53.164	ug/l	100
73) Isopropylbenzene	10.945	105	308513	54.518	ug/l	100
74) N-amyl acetate	10.823	43	150972	61.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	104061	54.499	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	84341m	53.924	ug/l	
77) Bromobenzene	11.183	156	78580	52.026	ug/l	97
78) n-propylbenzene	11.286	91	365357	55.745	ug/l	98
79) 2-Chlorotoluene	11.347	91	212227	53.102	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	253589	54.517	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	35468	53.867	ug/l #	81
82) 4-Chlorotoluene	11.433	91	252423	54.123	ug/l	98
83) tert-Butylbenzene	11.695	119	265940	55.023	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	256929	54.757	ug/l	99
85) sec-Butylbenzene	11.872	105	323799	55.279	ug/l	100
86) p-Isopropyltoluene	11.988	119	272293	54.383	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	147532	52.985	ug/l	97
88) 1,4-Dichlorobenzene	12.024	146	149424	51.931	ug/l	99
89) n-Butylbenzene	12.311	91	252725	53.910	ug/l	99
90) Hexachloroethane	12.518	117	52687	51.558	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	138989	51.487	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24397	52.500	ug/l	97
93) 1,2,4-Trichlorobenzene	13.566	180	106767	59.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	42741	57.956	ug/l	98
95) Naphthalene	13.755	128	363422	67.461	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	101994	62.032	ug/l	97

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

