

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048844.D
 Acq On : 12 Dec 2025 11:20
 Operator : JC/MD
 Sample : VX1212WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 12 22:09:59 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	5.531	168	146007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	239743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	225518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	113256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	112294	57.302	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.600%			
35) Dibromofluoromethane	5.367	113	93781	56.812	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.620%			
50) Toluene-d8	8.628	98	326317	56.395	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.780%#			
62) 4-Bromofluorobenzene	11.061	95	118132	59.205	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	36940	24.831	ug/l	100
3) Chloromethane	1.301	50	37712	20.089	ug/l	100
4) Vinyl Chloride	1.380	62	38654	19.334	ug/l	98
5) Bromomethane	1.618	94	26993	21.848	ug/l	95
6) Chloroethane	1.697	64	24161	19.417	ug/l	100
7) Trichlorofluoromethane	1.898	101	57436	20.044	ug/l	96
8) Diethyl Ether	2.130	74	20862	18.241	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.337	101	31977	19.250	ug/l	99
10) Methyl Iodide	2.453	142	46944	19.850	ug/l	95
11) Tert butyl alcohol	2.934	59	14655	46.319	ug/l	99
12) 1,1-Dichloroethene	2.325	96	31774	18.741	ug/l	97
13) Acrolein	2.233	56	20868	97.512	ug/l	98
14) Allyl chloride	2.660	41	59074	20.753	ug/l	97
15) Acrylonitrile	3.056	53	71366	72.390	ug/l	97
16) Acetone	2.367	43	42311	56.399	ug/l	94
17) Carbon Disulfide	2.514	76	88417	17.958	ug/l	98
18) Methyl Acetate	2.697	43	32212	15.261	ug/l	95
19) Methyl tert-butyl Ether	3.105	73	105606	19.139	ug/l	96
20) Methylene Chloride	2.788	84	38413	20.485	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	33308	19.249	ug/l	99
22) Diisopropyl ether	3.745	45	123470	23.209	ug/l	93
23) Vinyl Acetate	3.709	43	441347	98.734	ug/l	96
24) 1,1-Dichloroethane	3.599	63	66995	22.583	ug/l	97
25) 2-Butanone	4.538	43	71431	64.513	ug/l	93
26) 2,2-Dichloropropane	4.458	77	53910	20.538	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	41393	21.198	ug/l	94
28) Bromochloromethane	4.879	49	27288	18.767	ug/l	87
29) Tetrahydrofuran	4.983	42	49766	58.863	ug/l	93
30) Chloroform	5.074	83	71047	22.351	ug/l	99
31) Cyclohexane	5.452	56	53809	20.316	ug/l	96
32) 1,1,1-Trichloroethane	5.361	97	60763	21.334	ug/l	97
36) 1,1-Dichloropropene	5.672	75	44454	19.662	ug/l	98
37) Ethyl Acetate	4.690	43	38863	14.385	ug/l	98
38) Carbon Tetrachloride	5.660	117	54446	21.260	ug/l	89
39) Methylcyclohexane	7.360	83	52995	19.823	ug/l	97
40) Benzene	6.019	78	142377	21.243	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	20555	16.723	ug/l	95
42) 1,2-Dichloroethane	6.062	62	50119	21.127	ug/l	100
43) Isopropyl Acetate	6.324	43	63025	15.407	ug/l	96
44) Trichloroethene	7.104	130	36525	20.886	ug/l	100
45) 1,2-Dichloropropane	7.409	63	37339	22.289	ug/l	99
46) Dibromomethane	7.562	93	26416	20.794	ug/l	95
47) Bromodichloromethane	7.799	83	56110	21.185	ug/l	98
48) Methyl methacrylate	7.671	41	31714	15.412	ug/l	97
49) 1,4-Dioxane	7.641	88	6198	219.002	ug/l #	79
51) 4-Methyl-2-Pentanone	8.555	43	179993	70.888	ug/l	96
52) Toluene	8.702	92	88810	21.974	ug/l	97
53) t-1,3-Dichloropropene	8.958	75	53948	21.410	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	59113	21.829	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	33717	20.734	ug/l	96
56) Ethyl methacrylate	9.098	69	46071	18.100	ug/l	99
57) 1,3-Dichloropropane	9.287	76	57907	21.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	113678	82.632	ug/l	97
59) 2-Hexanone	9.415	43	117751	66.063	ug/l	97
60) Dibromochloromethane	9.500	129	42485	21.128	ug/l	98
61) 1,2-Dibromoethane	9.592	107	33693	19.144	ug/l	99
64) Tetrachloroethene	9.256	164	30988	18.851	ug/l	97
65) Chlorobenzene	10.061	112	98444	19.943	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	35383	20.040	ug/l	98
67) Ethyl Benzene	10.177	91	164662	20.442	ug/l	98
68) m/p-Xylenes	10.281	106	128702	41.018	ug/l	99
69) o-Xylene	10.622	106	61329	20.859	ug/l	99
70) Styrene	10.634	104	105407	20.883	ug/l	99
71) Bromoform	10.781	173	27140	17.218	ug/l #	99
73) Isopropylbenzene	10.945	105	160418	21.019	ug/l	100
74) N-amyl acetate	10.823	43	55494	16.734	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42294	16.424	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	31635m	14.997	ug/l	
77) Bromobenzene	11.177	156	41849	20.544	ug/l	96
78) n-propylbenzene	11.287	91	185950	21.036	ug/l	98
79) 2-Chlorotoluene	11.348	91	114632	21.267	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	129338	20.617	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12579	14.165	ug/l	95
82) 4-Chlorotoluene	11.433	91	134736	21.420	ug/l	99
83) tert-Butylbenzene	11.695	119	128694	19.743	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	132778	20.982	ug/l	99
85) sec-Butylbenzene	11.872	105	165858	20.995	ug/l	99
86) p-Isopropyltoluene	11.988	119	138203	20.466	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	75710	20.161	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	77509	19.973	ug/l	97
89) n-Butylbenzene	12.311	91	126258	19.970	ug/l	99
90) Hexachloroethane	12.518	117	26512	19.236	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	73528	20.196	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7459	11.901	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	47286	19.665	ug/l	99
94) Hexachlorobutadiene	13.707	225	19490	19.595	ug/l	97
95) Naphthalene	13.756	128	118327	18.782	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	44409	20.026	ug/l	98

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

