

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112425\
 Data File : VX048662.D
 Acq On : 24 Nov 2025 14:46
 Operator : JC/MD
 Sample : VX1124WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1124WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/26/2025
 Supervised By : Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:24:59 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

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	157427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	244111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	214462	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	100722	45.916	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.840%		
35) Dibromofluoromethane	5.367	113	89661	48.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.060%		
50) Toluene-d8	8.628	98	294994	51.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	102.380%		
62) 4-Bromofluorobenzene	11.061	95	108610	50.577	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.160%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	24459	19.174	ug/l	97
3) Chloromethane	1.300	50	27024	15.972	ug/l	98
4) Vinyl Chloride	1.380	62	29827	15.570	ug/l	97
5) Bromomethane	1.617	94	22014	18.199	ug/l	94
6) Chloroethane	1.697	64	19536	15.572	ug/l	97
7) Trichlorofluoromethane	1.892	101	51814	17.097	ug/l	98
8) Diethyl Ether	2.130	74	20710	17.024	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	31794	18.121	ug/l	96
10) Methyl Iodide	2.453	142	39312	15.140	ug/l	96
11) Tert butyl alcohol	2.934	59	40894	98.382	ug/l	97
12) 1,1-Dichloroethene	2.325	96	29604	16.154	ug/l	96
13) Acrolein	2.233	56	4889	81.292	ug/l	89
14) Allyl chloride	2.666	41	59843	17.539	ug/l	94
15) Acrylonitrile	3.050	53	117369	96.726	ug/l	98
16) Acetone	2.367	43	96584	93.016	ug/l	97
17) Carbon Disulfide	2.514	76	71949	13.952	ug/l	97
18) Methyl Acetate	2.697	43	55962	19.611	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	125461	19.387	ug/l	99
20) Methylene Chloride	2.788	84	37465	17.550	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32982	16.981	ug/l	96
22) Diisopropyl ether	3.745	45	108517	16.563	ug/l	99
23) Vinyl Acetate	3.709	43	463904	80.846	ug/l	98
24) 1,1-Dichloroethane	3.605	63	62745	17.453	ug/l	99
25) 2-Butanone	4.532	43	136464	88.839	ug/l	98
26) 2,2-Dichloropropane	4.458	77	52973	17.284	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	41350	17.416	ug/l	97
28) Bromochloromethane	4.879	49	28421	16.093	ug/l	93
29) Tetrahydrofuran	4.977	42	90657	82.750	ug/l	95
30) Chloroform	5.074	83	68216	18.380	ug/l	95
31) Cyclohexane	5.452	56	45866	15.571	ug/l #	88
32) 1,1,1-Trichloroethane	5.361	97	58934	18.195	ug/l	99
36) 1,1-Dichloropropene	5.672	75	43423	17.552	ug/l	98
37) Ethyl Acetate	4.690	43	62208	17.863	ug/l	99
38) Carbon Tetrachloride	5.666	117	51780	18.386	ug/l	98
39) Methylcyclohexane	7.366	83	48900	17.603	ug/l	95
40) Benzene	6.019	78	135156	17.624	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	27772	18.134	ug/l	97
42) 1,2-Dichloroethane	6.068	62	49830	18.964	ug/l	100
43) Isopropyl Acetate	6.318	43	86668	17.704	ug/l	98
44) Trichloroethene	7.110	130	34347	18.737	ug/l	97
45) 1,2-Dichloropropane	7.415	63	36175	20.515	ug/l	100
46) Dibromomethane	7.562	93	27868	21.669	ug/l	96
47) Bromodichloromethane	7.805	83	57409	22.376	ug/l	100
48) Methyl methacrylate	7.671	41	47703	21.921	ug/l	92
49) 1,4-Dioxane	7.641	88	13000	392.049	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	328932	118.042	ug/l	96
52) Toluene	8.702	92	86299	21.374	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	57076	21.589	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	58650	21.425	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	37730	23.390	ug/l	96
56) Ethyl methacrylate	9.098	69	60301	22.468	ug/l	96
57) 1,3-Dichloropropane	9.293	76	62899	22.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	147384	102.145	ug/l	98
59) 2-Hexanone	9.415	43	244031	117.729	ug/l	97
60) Dibromochloromethane	9.506	129	46602	23.530	ug/l	100
61) 1,2-Dibromoethane	9.592	107	38708	22.155	ug/l	97
64) Tetrachloroethene	9.256	164	28607	18.365	ug/l	96
65) Chlorobenzene	10.061	112	98809	19.411	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	36137	21.187	ug/l	99
67) Ethyl Benzene	10.177	91	164515	19.246	ug/l	98
68) m/p-Xylenes	10.281	106	126056	39.156	ug/l	96
69) o-Xylene	10.622	106	61428	19.503	ug/l	98
70) Styrene	10.640	104	105195	19.909	ug/l	99
71) Bromoform	10.780	173	32635	20.740	ug/l #	98
73) Isopropylbenzene	10.945	105	160179	19.241	ug/l	98
74) N-amyl acetate	10.823	43	79973	19.132	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	56248	19.160	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	54699m	19.797	ug/l	
77) Bromobenzene	11.177	156	39637	18.439	ug/l	95
78) n-propylbenzene	11.286	91	184413	18.839	ug/l	100
79) 2-Chlorotoluene	11.347	91	111625	18.872	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	128586	18.947	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	18081	18.718	ug/l #	86
82) 4-Chlorotoluene	11.433	91	132273	19.064	ug/l	99
83) tert-Butylbenzene	11.695	119	134813	19.206	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	128519	18.769	ug/l	100
85) sec-Butylbenzene	11.872	105	162981	18.786	ug/l	99
86) p-Isopropyltoluene	11.988	119	138355	18.969	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	75020	18.620	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	76641	18.416	ug/l	98
89) n-Butylbenzene	12.311	91	126845	18.538	ug/l	98
90) Hexachloroethane	12.518	117	26687	19.204	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	71865	18.581	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13360	19.583	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	45921	17.867	ug/l	99
94) Hexachlorobutadiene	13.707	225	19112	17.788	ug/l	98
95) Naphthalene	13.756	128	152629	18.470	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	44266	18.516	ug/l	98

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

