

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112125\
 Data File : VX048645.D
 Acq On : 21 Nov 2025 10:55
 Operator : JC/MD
 Sample : VX1121WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1121WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2025
 Supervised By : Mahesh Dadoda 11/24/2025

Quant Time: Nov 21 22:09:41 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	5.532	168	169398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	275788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	240043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	107541	45.560	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.120%		
35) Dibromofluoromethane	5.367	113	96045	46.013	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.629	98	324656	49.870	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.061	95	123291	50.819	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	26654	19.418	ug/l	99
3) Chloromethane	1.301	50	29229	16.055	ug/l	98
4) Vinyl Chloride	1.380	62	34659	16.814	ug/l	99
5) Bromomethane	1.618	94	24408	18.752	ug/l	94
6) Chloroethane	1.697	64	22693	16.810	ug/l	98
7) Trichlorofluoromethane	1.892	101	56878	17.442	ug/l	99
8) Diethyl Ether	2.130	74	23464	17.925	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	36149	19.148	ug/l	96
10) Methyl Iodide	2.453	142	45511	16.289	ug/l	98
11) Tert butyl alcohol	2.928	59	41008	91.684	ug/l	98
12) 1,1-Dichloroethene	2.325	96	34082	17.283	ug/l	93
13) Acrolein	2.233	56	5431	83.922	ug/l	96
14) Allyl chloride	2.666	41	56116	15.284	ug/l	98
15) Acrylonitrile	3.050	53	116203	88.997	ug/l	99
16) Acetone	2.367	43	95465	85.441	ug/l	96
17) Carbon Disulfide	2.514	76	77678	13.998	ug/l	98
18) Methyl Acetate	2.697	43	55401	18.043	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	127057	18.246	ug/l	99
20) Methylene Chloride	2.782	84	39210	17.069	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	35313	16.896	ug/l	93
22) Diisopropyl ether	3.745	45	138475	19.642	ug/l	97
23) Vinyl Acetate	3.709	43	589015	95.395	ug/l	98
24) 1,1-Dichloroethane	3.605	63	67830	17.535	ug/l	99
25) 2-Butanone	4.526	43	143921	87.073	ug/l	100
26) 2,2-Dichloropropane	4.459	77	60481	18.339	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	46477	18.193	ug/l	100
28) Bromochloromethane	4.879	49	27107	14.264	ug/l	89
29) Tetrahydrofuran	4.983	42	99693	84.567	ug/l	97
30) Chloroform	5.080	83	71869	17.996	ug/l	97
31) Cyclohexane	5.452	56	52750	16.643	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	62399	17.904	ug/l	99
36) 1,1-Dichloropropene	5.678	75	44408	15.888	ug/l	97
37) Ethyl Acetate	4.690	43	61811	15.710	ug/l	99
38) Carbon Tetrachloride	5.660	117	53440	16.796	ug/l	94
39) Methylcyclohexane	7.360	83	57646	18.368	ug/l	95
40) Benzene	6.019	78	146091	16.862	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.898	41	29470	17.032	ug/l	97
42) 1,2-Dichloroethane	6.068	62	50715	17.084	ug/l	100
43) Isopropyl Acetate	6.318	43	92634	16.749	ug/l	99
44) Trichloroethene	7.111	130	38716	18.695	ug/l	100
45) 1,2-Dichloropropane	7.409	63	40036	20.097	ug/l	97
46) Dibromomethane	7.562	93	30306	20.858	ug/l	99
47) Bromodichloromethane	7.806	83	58327	20.122	ug/l	98
48) Methyl methacrylate	7.671	41	44232	17.991	ug/l	98
49) 1,4-Dioxane	7.641	88	15481	413.246	ug/l	95
51) 4-Methyl-2-Pentanone	8.555	43	313436	99.561	ug/l	100
52) Toluene	8.702	92	93794	20.562	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	58818	19.693	ug/l	96
54) cis-1,3-Dichloropropene	8.348	75	62109	20.082	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	40486	22.215	ug/l	98
56) Ethyl methacrylate	9.098	69	62232	20.525	ug/l	97
57) 1,3-Dichloropropane	9.293	76	65146	20.537	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	139017	85.280	ug/l	98
59) 2-Hexanone	9.415	43	229351	97.938	ug/l	98
60) Dibromochloromethane	9.506	129	49759	22.238	ug/l	100
61) 1,2-Dibromoethane	9.592	107	41941	21.248	ug/l	99
64) Tetrachloroethene	9.256	164	33886	19.436	ug/l	96
65) Chlorobenzene	10.061	112	107597	18.885	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	40216	21.066	ug/l	98
67) Ethyl Benzene	10.177	91	178050	18.610	ug/l	98
68) m/p-Xylenes	10.287	106	140244	38.921	ug/l	98
69) o-Xylene	10.622	106	66879	18.970	ug/l	99
70) Styrene	10.640	104	115287	19.494	ug/l	100
71) Bromoform	10.781	173	36814	20.903	ug/l #	99
73) Isopropylbenzene	10.945	105	173422	19.167	ug/l	100
74) N-amyl acetate	10.823	43	75172	16.546	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	60542	18.974	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	54393m	18.112	ug/l	
77) Bromobenzene	11.183	156	44955	19.241	ug/l	95
78) n-propylbenzene	11.287	91	201721	18.960	ug/l	98
79) 2-Chlorotoluene	11.348	91	119560	18.597	ug/l	97
80) 1,3,5-Trimethylbenzene	11.433	105	142282	19.289	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	18855	17.959	ug/l	93
82) 4-Chlorotoluene	11.433	91	142338	18.875	ug/l	98
83) tert-Butylbenzene	11.695	119	150189	19.686	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	143897	19.335	ug/l	98
85) sec-Butylbenzene	11.872	105	182609	19.366	ug/l	99
86) p-Isopropyltoluene	11.988	119	153078	19.310	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	83876	19.154	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	85954	19.003	ug/l	98
89) n-Butylbenzene	12.317	91	139136	18.709	ug/l	100
90) Hexachloroethane	12.518	117	29320	19.412	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	80748	19.208	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	14599	19.688	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	53948	19.312	ug/l	98
94) Hexachlorobutadiene	13.707	225	21878	18.735	ug/l	100
95) Naphthalene	13.756	128	174763	19.458	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	53089	20.432	ug/l	98

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

