

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112425\
 Data File : VX048661.D
 Acq On : 24 Nov 2025 14:17
 Operator : JC/MD
 Sample : VX1124WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1124WBS01

Manual Integrations
 APPROVED

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

Quant Time: Nov 26 00:24:16 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	5.544	168	189515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	300084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	263558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121335	45.947	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.900%		
35) Dibromofluoromethane	5.373	113	110690	48.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.480%		
50) Toluene-d8	8.635	98	369551	52.170	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.340%		
62) 4-Bromofluorobenzene	11.061	95	136556	51.729	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	29479	19.196	ug/l	96
3) Chloromethane	1.301	50	34743	17.058	ug/l	99
4) Vinyl Chloride	1.380	62	40864	17.720	ug/l	99
5) Bromomethane	1.618	94	28478	19.557	ug/l	96
6) Chloroethane	1.697	64	26992	17.873	ug/l	99
7) Trichlorofluoromethane	1.898	101	69239	18.978	ug/l	98
8) Diethyl Ether	2.136	74	26187	17.882	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	41867	19.822	ug/l	97
10) Methyl Iodide	2.459	142	49789	15.929	ug/l	97
11) Tert butyl alcohol	2.941	59	47453	94.832	ug/l	97
12) 1,1-Dichloroethene	2.325	96	40493	18.355	ug/l	98
13) Acrolein	2.239	56	5917	81.727	ug/l	86
14) Allyl chloride	2.666	41	76947	18.733	ug/l	94
15) Acrylonitrile	3.056	53	136130	93.192	ug/l	99
16) Acetone	2.374	43	113593	90.874	ug/l	97
17) Carbon Disulfide	2.520	76	94783	15.268	ug/l	100
18) Methyl Acetate	2.697	43	68404	19.913	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	147360	18.915	ug/l	100
20) Methylene Chloride	2.788	84	44850	17.452	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	41511	17.753	ug/l	97
22) Diisopropyl ether	3.751	45	143960	18.252	ug/l	94
23) Vinyl Acetate	3.715	43	595240	86.170	ug/l	99
24) 1,1-Dichloroethane	3.611	63	79720	18.421	ug/l	96
25) 2-Butanone	4.538	43	164777	89.109	ug/l	96
26) 2,2-Dichloropropane	4.465	77	69595	18.863	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	54247	18.980	ug/l	95
28) Bromochloromethane	4.885	49	34227	16.099	ug/l	91
29) Tetrahydrofuran	4.989	42	112730	85.475	ug/l	96
30) Chloroform	5.080	83	86583	19.379	ug/l	96
31) Cyclohexane	5.471	56	60633	17.099	ug/l	90
32) 1,1,1-Trichloroethane	5.367	97	77403	19.851	ug/l	99
36) 1,1-Dichloropropene	5.684	75	53875	17.715	ug/l	99
37) Ethyl Acetate	4.696	43	73616	17.196	ug/l	99
38) Carbon Tetrachloride	5.672	117	67555	19.513	ug/l	95
39) Methylcyclohexane	7.367	83	65524	19.188	ug/l	95
40) Benzene	6.025	78	170119	18.045	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	33019	17.538	ug/l	97
42) 1,2-Dichloroethane	6.074	62	59901	18.545	ug/l	100
43) Isopropyl Acetate	6.324	43	105269	17.493	ug/l	97
44) Trichloroethene	7.111	130	46355	20.571	ug/l	95
45) 1,2-Dichloropropane	7.415	63	46942	21.656	ug/l	95
46) Dibromomethane	7.568	93	33998	21.504	ug/l	97
47) Bromodichloromethane	7.806	83	74408	23.592	ug/l	99
48) Methyl methacrylate	7.677	41	58879	22.010	ug/l	94
49) 1,4-Dioxane	7.641	88	17075	418.892	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	413305	120.655	ug/l	96
52) Toluene	8.702	92	110510	22.265	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	72759	22.388	ug/l	97
54) cis-1,3-Dichloropropene	8.348	75	76762	22.811	ug/l	93
55) 1,1,2-Trichloroethane	9.135	97	47853	24.132	ug/l	97
56) Ethyl methacrylate	9.104	69	75680	22.939	ug/l	94
57) 1,3-Dichloropropane	9.293	76	79641	23.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	150527	84.864	ug/l	99
59) 2-Hexanone	9.415	43	306431	120.259	ug/l	96
60) Dibromochloromethane	9.506	129	58483	24.021	ug/l	97
61) 1,2-Dibromoethane	9.592	107	48763	22.704	ug/l	99
64) Tetrachloroethene	9.256	164	39667	20.722	ug/l	97
65) Chlorobenzene	10.061	112	126160	20.167	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	46618	22.241	ug/l	99
67) Ethyl Benzene	10.177	91	212874	20.265	ug/l	97
68) m/p-Xylenes	10.287	106	164797	41.654	ug/l	98
69) o-Xylene	10.622	106	77788	20.096	ug/l	97
70) Styrene	10.640	104	134184	20.665	ug/l	97
71) Bromoform	10.781	173	39167	20.254	ug/l #	99
73) Isopropylbenzene	10.945	105	205798	21.237	ug/l	98
74) N-amyl acetate	10.823	43	100038	20.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	72203	21.128	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	65365m	20.323	ug/l	
77) Bromobenzene	11.183	156	51524	20.591	ug/l	97
78) n-propylbenzene	11.287	91	241457	21.191	ug/l	99
79) 2-Chlorotoluene	11.348	91	146129	21.223	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	168365	21.312	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	22878	20.346	ug/l #	83
82) 4-Chlorotoluene	11.439	91	171862	21.279	ug/l	99
83) tert-Butylbenzene	11.695	119	171603	21.002	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	169320	21.243	ug/l	100
85) sec-Butylbenzene	11.872	105	213302	21.122	ug/l	99
86) p-Isopropyltoluene	11.994	119	180963	21.314	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	95250	20.310	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	96837	19.990	ug/l	98
89) n-Butylbenzene	12.317	91	166223	20.870	ug/l	99
90) Hexachloroethane	12.518	117	33942	20.983	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	93076	20.673	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	17059	21.481	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	57710	19.290	ug/l	100
94) Hexachlorobutadiene	13.707	225	24365	19.482	ug/l	97
95) Naphthalene	13.756	128	194424	20.213	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	56513	20.308	ug/l	99

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

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