

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048773.D
 Acq On : 09 Dec 2025 11:24
 Operator : JC/MD
 Sample : VX1209WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS02

Quant Time: Dec 10 00:16:02 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/10/2025
 Supervised By : Mahesh Dadoda 12/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	172951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	289026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	127982	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	107937	46.498	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.000%		
35) Dibromofluoromethane	5.361	113	88867	44.656	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.320%		
50) Toluene-d8	8.628	98	313766	44.979	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.960%#		
62) 4-Bromofluorobenzene	11.061	95	111703	46.437	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	38081	21.610	ug/l	97
3) Chloromethane	1.300	50	40559	18.240	ug/l	99
4) Vinyl Chloride	1.380	62	41549	17.544	ug/l	97
5) Bromomethane	1.617	94	28865	19.723	ug/l	100
6) Chloroethane	1.697	64	25421	17.247	ug/l	96
7) Trichlorofluoromethane	1.898	101	60483	17.819	ug/l	95
8) Diethyl Ether	2.130	74	23832	17.591	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	34664	17.616	ug/l	98
10) Methyl Iodide	2.453	142	49459	17.656	ug/l	98
11) Tert butyl alcohol	2.922	59	31921	85.173	ug/l	99
12) 1,1-Dichloroethene	2.325	96	34119	16.989	ug/l	95
13) Acrolein	2.233	56	35540	122.612	ug/l	97
14) Allyl chloride	2.666	41	65989	19.571	ug/l	99
15) Acrylonitrile	3.050	53	116893	100.098	ug/l	98
16) Acetone	2.367	43	89026	100.181	ug/l	97
17) Carbon Disulfide	2.514	76	100701	17.266	ug/l	98
18) Methyl Acetate	2.690	43	48622	19.446	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	124108	18.988	ug/l	99
20) Methylene Chloride	2.788	84	39649	17.850	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	36986	18.044	ug/l	99
22) Diisopropyl ether	3.739	45	130955	20.781	ug/l	84
23) Vinyl Acetate	3.702	43	559797	105.722	ug/l	97
24) 1,1-Dichloroethane	3.605	63	68569	19.513	ug/l	99
25) 2-Butanone	4.526	43	140416	107.060	ug/l	94
26) 2,2-Dichloropropane	4.458	77	57568	18.514	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	44176	19.099	ug/l	93
28) Bromochloromethane	4.885	49	33569	19.490	ug/l	84
29) Tetrahydrofuran	4.971	42	98618	98.473	ug/l	95
30) Chloroform	5.074	83	71019	18.861	ug/l	98
31) Cyclohexane	5.446	56	60101	19.156	ug/l	90
32) 1,1,1-Trichloroethane	5.367	97	62884	18.639	ug/l	98
36) 1,1-Dichloropropene	5.672	75	48110	17.651	ug/l	97
37) Ethyl Acetate	4.684	43	68083	20.904	ug/l	98
38) Carbon Tetrachloride	5.659	117	55496	17.975	ug/l	96
39) Methylcyclohexane	7.360	83	57786	17.929	ug/l	97
40) Benzene	6.019	78	149794	18.539	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	31012	20.928	ug/l	93
42) 1,2-Dichloroethane	6.068	62	54177	18.944	ug/l	96
43) Isopropyl Acetate	6.312	43	94882	19.239	ug/l	95
44) Trichloroethene	7.104	130	36998	17.549	ug/l	90
45) 1,2-Dichloropropane	7.409	63	38261	18.945	ug/l	100
46) Dibromomethane	7.568	93	28326	18.495	ug/l	98
47) Bromodichloromethane	7.799	83	57651	18.055	ug/l	98
48) Methyl methacrylate	7.671	41	46293	18.660	ug/l	98
49) 1,4-Dioxane	7.635	88	10003	293.180	ug/l	96
51) 4-Methyl-2-Pentanone	8.549	43	309825	101.214	ug/l	97
52) Toluene	8.702	92	94496	19.394	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	58051	19.110	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	62775	19.228	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	37754	19.258	ug/l	98
56) Ethyl methacrylate	9.098	69	60442	19.697	ug/l	99
57) 1,3-Dichloropropane	9.287	76	63894	19.600	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	152612	92.017	ug/l	97
59) 2-Hexanone	9.409	43	223072	103.811	ug/l	99
60) Dibromochloromethane	9.500	129	45837	18.908	ug/l	98
61) 1,2-Dibromoethane	9.592	107	40677	19.171	ug/l	100
64) Tetrachloroethene	9.256	164	32279	17.011	ug/l	97
65) Chlorobenzene	10.061	112	101616	17.833	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.140	131	36523	17.920	ug/l	98
67) Ethyl Benzene	10.177	91	172469	18.549	ug/l	98
68) m/p-Xylenes	10.281	106	133567	36.877	ug/l	99
69) o-Xylene	10.622	106	64240	18.928	ug/l	98
70) Styrene	10.634	104	110143	18.904	ug/l	98
71) Bromoform	10.780	173	31426	17.271	ug/l #	99
73) Isopropylbenzene	10.945	105	164703	19.097	ug/l	100
74) N-amyl acetate	10.823	43	79173	21.128	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	55673	19.131	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	45308m	19.007	ug/l	
77) Bromobenzene	11.177	156	41826	18.170	ug/l	99
78) n-propylbenzene	11.286	91	194276	19.449	ug/l	100
79) 2-Chlorotoluene	11.347	91	116511	19.128	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	133756	18.868	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	19172	19.105	ug/l	94
82) 4-Chlorotoluene	11.433	91	136381	19.187	ug/l	99
83) tert-Butylbenzene	11.695	119	132907	18.043	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	135838	18.995	ug/l	99
85) sec-Butylbenzene	11.872	105	170558	19.106	ug/l	100
86) p-Isopropyltoluene	11.988	119	142787	18.712	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	76521	18.032	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	79274	18.077	ug/l	98
89) n-Butylbenzene	12.311	91	131918	18.464	ug/l	99
90) Hexachloroethane	12.518	117	26593	17.075	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	74334	18.068	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12345	17.431	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	46131	16.977	ug/l	99
94) Hexachlorobutadiene	13.701	225	18539	16.495	ug/l	97
95) Naphthalene	13.756	128	146332	20.573	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	43539	17.375	ug/l	98

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

