

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120925\
 Data File : VX048772.D
 Acq On : 09 Dec 2025 10:56
 Operator : JC/MD
 Sample : VX1209WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1209WBS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 10 00:14:52 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	5.544	168	163309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	295221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	143816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	124088	56.612	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.220%			
35) Dibromofluoromethane	5.373	113	95327	46.896	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	8.634	98	326715	45.853	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.700%#			
62) 4-Bromofluorobenzene	11.061	95	124754	50.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	32583	19.582	ug/l	95
3) Chloromethane	1.300	50	38215	18.200	ug/l	97
4) Vinyl Chloride	1.380	62	37433	16.740	ug/l	96
5) Bromomethane	1.617	94	28355	20.518	ug/l	98
6) Chloroethane	1.697	64	24081	17.303	ug/l	93
7) Trichlorofluoromethane	1.898	101	52778	16.467	ug/l	98
8) Diethyl Ether	2.136	74	24463	19.123	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	30100	16.200	ug/l	98
10) Methyl Iodide	2.459	142	46997	17.767	ug/l	100
11) Tert butyl alcohol	2.934	59	31767	89.767	ug/l	99
12) 1,1-Dichloroethene	2.325	96	32192	16.976	ug/l	99
13) Acrolein	2.233	56	33195	121.718	ug/l	98
14) Allyl chloride	2.666	41	62925	19.764	ug/l	97
15) Acrylonitrile	3.056	53	117899	106.920	ug/l	98
16) Acetone	2.373	43	87500	104.278	ug/l	99
17) Carbon Disulfide	2.520	76	92029	16.711	ug/l	97
18) Methyl Acetate	2.697	43	51161	21.670	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	124759	20.215	ug/l	98
20) Methylene Chloride	2.794	84	41216	19.651	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	36065	18.634	ug/l	93
22) Diisopropyl ether	3.751	45	130587	21.946	ug/l	98
23) Vinyl Acetate	3.715	43	564582	112.921	ug/l	97
24) 1,1-Dichloroethane	3.605	63	68368	20.604	ug/l	98
25) 2-Butanone	4.532	43	143921	116.212	ug/l	98
26) 2,2-Dichloropropane	4.471	77	54923	18.707	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	43518	19.925	ug/l	94
28) Bromochloromethane	4.885	49	33445	20.564	ug/l	85
29) Tetrahydrofuran	4.983	42	99653	105.381	ug/l	91
30) Chloroform	5.086	83	72152	20.294	ug/l	97
31) Cyclohexane	5.464	56	49947	16.860	ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	57632	18.091	ug/l	97
36) 1,1-Dichloropropene	5.684	75	43761	15.718	ug/l	99
37) Ethyl Acetate	4.690	43	67315	20.235	ug/l	98
38) Carbon Tetrachloride	5.666	117	49066	15.559	ug/l	95
39) Methylcyclohexane	7.366	83	47727	14.497	ug/l	98
40) Benzene	6.025	78	149541	18.119	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	29927	19.772	ug/l	95
42) 1,2-Dichloroethane	6.074	62	53663	18.370	ug/l	97
43) Isopropyl Acetate	6.318	43	96151	19.088	ug/l	96
44) Trichloroethene	7.116	130	35294	16.389	ug/l	98
45) 1,2-Dichloropropane	7.415	63	37593	18.224	ug/l	100
46) Dibromomethane	7.568	93	28364	18.132	ug/l	99
47) Bromodichloromethane	7.805	83	58507	17.939	ug/l	93
48) Methyl methacrylate	7.677	41	46378	18.302	ug/l	97
49) 1,4-Dioxane	7.641	88	9158	262.782	ug/l	88
51) 4-Methyl-2-Pentanone	8.555	43	312257	99.868	ug/l	97
52) Toluene	8.702	92	90189	18.122	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	57366	18.488	ug/l	96
54) cis-1,3-Dichloropropene	8.354	75	63018	18.898	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	37464	18.709	ug/l	97
56) Ethyl methacrylate	9.098	69	61078	19.487	ug/l	100
57) 1,3-Dichloropropane	9.293	76	63967	19.211	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	152827	90.213	ug/l	97
59) 2-Hexanone	9.415	43	227129	103.481	ug/l	97
60) Dibromochloromethane	9.506	129	44205	17.852	ug/l	98
61) 1,2-Dibromoethane	9.592	107	40268	18.580	ug/l	99
64) Tetrachloroethene	9.256	164	29054	14.386	ug/l	96
65) Chlorobenzene	10.061	112	101002	16.654	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	35864	16.533	ug/l	99
67) Ethyl Benzene	10.177	91	167463	16.921	ug/l	99
68) m/p-Xylenes	10.287	106	126282	32.758	ug/l	99
69) o-Xylene	10.622	106	61570	17.044	ug/l	99
70) Styrene	10.634	104	107482	17.332	ug/l	99
71) Bromoform	10.780	173	30777	15.892	ug/l #	97
73) Isopropylbenzene	10.945	105	153125	15.800	ug/l	100
74) N-amyl acetate	10.823	43	78261	18.585	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	55877	17.087	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	51905m	19.378	ug/l	
77) Bromobenzene	11.177	156	41513	16.048	ug/l	99
78) n-propylbenzene	11.286	91	179968	16.033	ug/l	99
79) 2-Chlorotoluene	11.347	91	111705	16.320	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	126854	15.924	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	18475	16.384	ug/l	97
82) 4-Chlorotoluene	11.433	91	133322	16.692	ug/l	100
83) tert-Butylbenzene	11.695	119	129556	15.652	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	129807	16.154	ug/l	99
85) sec-Butylbenzene	11.872	105	153624	15.314	ug/l	99
86) p-Isopropyltoluene	11.988	119	130586	15.229	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	75330	15.797	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	77120	15.650	ug/l	98
89) n-Butylbenzene	12.311	91	115333	14.365	ug/l	99
90) Hexachloroethane	12.518	117	25033	14.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	72304	15.640	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	12112	15.219	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	42571	13.942	ug/l	98
94) Hexachlorobutadiene	13.707	225	15723	12.449	ug/l	97
95) Naphthalene	13.756	128	140174	17.489	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	38503	13.673	ug/l	97

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

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