

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048826.D
 Acq On : 11 Dec 2025 14:52
 Operator : JC/MD
 Sample : VX1211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 23:51:14 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	5.538	168	160103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	261734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	237436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	113915	53.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.020%			
35) Dibromofluoromethane	5.373	113	95847	53.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.380%			
50) Toluene-d8	8.635	98	335601	53.126	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.260%			
62) 4-Bromofluorobenzene	11.061	95	121172	55.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	40035	24.542	ug/l	98
3) Chloromethane	1.300	50	38998	18.945	ug/l	98
4) Vinyl Chloride	1.380	62	40810	18.615	ug/l	97
5) Bromomethane	1.624	94	29928	22.090	ug/l	94
6) Chloroethane	1.697	64	25050	18.359	ug/l	91
7) Trichlorofluoromethane	1.898	101	63006	20.052	ug/l	97
8) Diethyl Ether	2.136	74	22635	18.049	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	37576	20.629	ug/l	98
10) Methyl Iodide	2.459	142	50770	19.578	ug/l	97
11) Tert butyl alcohol	2.934	59	17938	51.704	ug/l	99
12) 1,1-Dichloroethene	2.325	96	35713	19.210	ug/l	97
13) Acrolein	2.233	56	16471	81.447	ug/l	100
14) Allyl chloride	2.666	41	62321	19.966	ug/l	97
15) Acrylonitrile	3.056	53	82450	76.270	ug/l	99
16) Acetone	2.373	43	52925	64.336	ug/l	99
17) Carbon Disulfide	2.520	76	98947	18.327	ug/l	99
18) Methyl Acetate	2.697	43	35863	15.495	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	119082	19.682	ug/l	98
20) Methylene Chloride	2.788	84	42556	20.696	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	39199	20.659	ug/l	95
22) Diisopropyl ether	3.751	45	133631	22.907	ug/l	95
23) Vinyl Acetate	3.715	43	509926	104.032	ug/l	97
24) 1,1-Dichloroethane	3.605	63	72486	22.283	ug/l	98
25) 2-Butanone	4.538	43	88252	72.688	ug/l	96
26) 2,2-Dichloropropane	4.465	77	61037	21.205	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	45861	21.419	ug/l	96
28) Bromochloromethane	4.885	49	30034	18.837	ug/l	87
29) Tetrahydrofuran	4.989	42	63082	68.044	ug/l	92
30) Chloroform	5.080	83	76037	21.815	ug/l	98
31) Cyclohexane	5.458	56	60736	20.912	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	65989	21.129	ug/l	95
36) 1,1-Dichloropropene	5.678	75	50087	20.292	ug/l	98
37) Ethyl Acetate	4.702	43	43396	14.714	ug/l #	89
38) Carbon Tetrachloride	5.659	117	58437	20.901	ug/l	90
39) Methylcyclohexane	7.366	83	59182	20.277	ug/l	98
40) Benzene	6.025	78	156334	21.365	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	24183	18.021	ug/l	92
42) 1,2-Dichloroethane	6.074	62	56313	21.744	ug/l	97
43) Isopropyl Acetate	6.324	43	75593	16.926	ug/l	97
44) Trichloroethene	7.110	130	39904	20.901	ug/l	98
45) 1,2-Dichloropropane	7.415	63	40471	22.129	ug/l	98
46) Dibromomethane	7.568	93	28046	20.222	ug/l	97
47) Bromodichloromethane	7.805	83	61965	21.430	ug/l	95
48) Methyl methacrylate	7.677	41	37658	16.762	ug/l	99
49) 1,4-Dioxane	7.641	88	8294	268.439	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	221144	79.777	ug/l	97
52) Toluene	8.702	92	98783	22.388	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	60552	22.012	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	66454	22.478	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	38624	21.756	ug/l	96
56) Ethyl methacrylate	9.098	69	55481	19.966	ug/l	99
57) 1,3-Dichloropropane	9.293	76	64370	21.805	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	152432	101.492	ug/l	98
59) 2-Hexanone	9.415	43	146314	75.190	ug/l	99
60) Dibromochloromethane	9.506	129	47935	21.836	ug/l	100
61) 1,2-Dibromoethane	9.592	107	39878	20.754	ug/l	100
64) Tetrachloroethene	9.256	164	34525	19.949	ug/l	97
65) Chlorobenzene	10.061	112	109450	21.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	39849	21.437	ug/l	98
67) Ethyl Benzene	10.177	91	184045	21.702	ug/l	96
68) m/p-Xylenes	10.287	106	144314	43.685	ug/l	97
69) o-Xylene	10.622	106	67799	21.902	ug/l	99
70) Styrene	10.640	104	117571	22.124	ug/l	100
71) Bromoform	10.780	173	30772	18.542	ug/l #	99
73) Isopropylbenzene	10.945	105	178068	22.179	ug/l	99
74) N-amyl acetate	10.823	43	67296	19.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	49216	18.167	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	43676m	19.682	ug/l	
77) Bromobenzene	11.177	156	46427	21.665	ug/l	98
78) n-propylbenzene	11.287	91	208333	22.404	ug/l	100
79) 2-Chlorotoluene	11.347	91	123694	21.815	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	143995	21.819	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	15300	16.378	ug/l	97
82) 4-Chlorotoluene	11.439	91	145108	21.930	ug/l	100
83) tert-Butylbenzene	11.695	119	146671	21.389	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	147850	22.209	ug/l	99
85) sec-Butylbenzene	11.872	105	183139	22.037	ug/l	99
86) p-Isopropyltoluene	11.988	119	155628	21.908	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	82986	21.007	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	84424	20.680	ug/l	97
89) n-Butylbenzene	12.311	91	141441	21.266	ug/l	99
90) Hexachloroethane	12.518	117	29787	20.545	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	79235	20.688	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9139	13.862	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	51786	20.473	ug/l	100
94) Hexachlorobutadiene	13.707	225	21443	20.494	ug/l	98
95) Naphthalene	13.756	128	138387	20.900	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	48089	20.615	ug/l	99

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

