

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048552.D
 Acq On : 11 Nov 2025 10:35
 Operator : JC/MD
 Sample : VX1111WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1111WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:41:42 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	5.531	168	187478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	320628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	287293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	128083	49.030	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.060%		
35) Dibromofluoromethane	5.361	113	111758	46.053	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	8.628	98	389804	51.503	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.000%		
62) 4-Bromofluorobenzene	11.061	95	140209	49.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.420%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	31846	20.963	ug/l	99
3) Chloromethane	1.301	50	38239	18.978	ug/l	99
4) Vinyl Chloride	1.380	62	42798	18.760	ug/l	95
5) Bromomethane	1.618	94	30351	21.069	ug/l	95
6) Chloroethane	1.697	64	27306	18.277	ug/l	100
7) Trichlorofluoromethane	1.898	101	65097	18.037	ug/l	98
8) Diethyl Ether	2.130	74	26273	18.135	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	39260	18.790	ug/l	98
10) Methyl Iodide	2.453	142	55746	18.028	ug/l	100
11) Tert butyl alcohol	2.928	59	38259	77.289	ug/l	97
12) 1,1-Dichloroethene	2.325	96	39510	18.104	ug/l	97
13) Acrolein	2.233	56	11486	160.371	ug/l	93
14) Allyl chloride	2.660	41	71255	17.536	ug/l	100
15) Acrylonitrile	3.050	53	127715	88.381	ug/l	95
16) Acetone	2.367	43	112142	90.688	ug/l	99
17) Carbon Disulfide	2.514	76	107315	17.474	ug/l	99
18) Methyl Acetate	2.697	43	58958	17.349	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	140617	18.246	ug/l	99
20) Methylene Chloride	2.782	84	46771	18.397	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	42217	18.251	ug/l	96
22) Diisopropyl ether	3.739	45	144556	18.527	ug/l #	80
23) Vinyl Acetate	3.703	43	627851	91.878	ug/l	98
24) 1,1-Dichloroethane	3.599	63	79703	18.617	ug/l	99
25) 2-Butanone	4.532	43	163389	89.318	ug/l	98
26) 2,2-Dichloropropane	4.458	77	61557	16.866	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	49589	17.539	ug/l	99
28) Bromochloromethane	4.879	49	38962	18.525	ug/l	99
29) Tetrahydrofuran	4.977	42	108744	83.349	ug/l	99
30) Chloroform	5.068	83	78678	17.801	ug/l	97
31) Cyclohexane	5.452	56	61984	17.670	ug/l	92
32) 1,1,1-Trichloroethane	5.361	97	66591	17.264	ug/l	99
36) 1,1-Dichloropropene	5.672	75	51044	15.708	ug/l	98
37) Ethyl Acetate	4.684	43	76325	16.686	ug/l	98
38) Carbon Tetrachloride	5.659	117	57802	15.626	ug/l	99
39) Methylcyclohexane	7.360	83	63481	17.399	ug/l	97
40) Benzene	6.019	78	164576	16.339	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	31166	15.493	ug/l	95
42) 1,2-Dichloroethane	6.068	62	57528	16.669	ug/l	100
43) Isopropyl Acetate	6.312	43	102905	16.004	ug/l	99
44) Trichloroethene	7.104	130	41997	17.443	ug/l	96
45) 1,2-Dichloropropane	7.409	63	42295	18.262	ug/l	99
46) Dibromomethane	7.562	93	31667	18.747	ug/l	98
47) Bromodichloromethane	7.799	83	64325	19.088	ug/l	98
48) Methyl methacrylate	7.671	41	51632	18.064	ug/l	99
49) 1,4-Dioxane	7.635	88	13724	315.111	ug/l #	93
51) 4-Methyl-2-Pentanone	8.549	43	353588	96.608	ug/l	98
52) Toluene	8.696	92	104353	19.678	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	63977	18.424	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	69046	19.203	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	42591	20.102	ug/l	96
56) Ethyl methacrylate	9.098	69	67501	19.149	ug/l	100
57) 1,3-Dichloropropane	9.287	76	71504	19.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	172347	90.940	ug/l	98
59) 2-Hexanone	9.409	43	258071	94.790	ug/l	99
60) Dibromochloromethane	9.500	129	49678	19.097	ug/l	96
61) 1,2-Dibromoethane	9.592	107	45390	19.779	ug/l	100
64) Tetrachloroethene	9.256	164	33751	16.174	ug/l	99
65) Chlorobenzene	10.061	112	116810	17.130	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	41108	17.992	ug/l	99
67) Ethyl Benzene	10.177	91	191522	16.726	ug/l	99
68) m/p-Xylenes	10.281	106	150992	35.012	ug/l	98
69) o-Xylene	10.622	106	72301	17.135	ug/l	100
70) Styrene	10.634	104	124383	17.573	ug/l	99
71) Bromoform	10.781	173	35217	16.707	ug/l #	97
73) Isopropylbenzene	10.945	105	184762	17.927	ug/l	98
74) N-amyl acetate	10.823	43	85415	16.506	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	64746	17.814	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	59866m	17.502	ug/l	
77) Bromobenzene	11.177	156	47542	17.864	ug/l	100
78) n-propylbenzene	11.287	91	214982	17.740	ug/l	100
79) 2-Chlorotoluene	11.341	91	129797	17.725	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	151486	18.030	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	19876	16.620	ug/l	95
82) 4-Chlorotoluene	11.433	91	150578	17.530	ug/l	98
83) tert-Butylbenzene	11.695	119	151250	17.405	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	150481	17.751	ug/l	98
85) sec-Butylbenzene	11.872	105	187607	17.468	ug/l	100
86) p-Isopropyltoluene	11.988	119	158968	17.605	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	88449	17.733	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	90728	17.610	ug/l	98
89) n-Butylbenzene	12.311	91	144896	17.106	ug/l	99
90) Hexachloroethane	12.518	117	29176	16.959	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	83852	17.512	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	14313	16.946	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	54049	16.987	ug/l	98
94) Hexachlorobutadiene	13.707	225	21638	16.268	ug/l	97
95) Naphthalene	13.756	128	174201	17.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	49589	16.755	ug/l	99

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

