

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111325\
 Data File : VX048589.D
 Acq On : 13 Nov 2025 12:52
 Operator : JC/MD
 Sample : VX1113WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1113WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

Quant Time: Nov 14 03:55:32 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	185916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.738	114	303023	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	217356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	135651	52.363	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.720%			
35) Dibromofluoromethane	5.366	113	116317	50.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.440%			
50) Toluene-d8	8.628	98	386572	54.044	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.080%			
62) 4-Bromofluorobenzene	11.061	95	116665	43.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	27179	18.041	ug/l	100
3) Chloromethane	1.300	50	33689	16.860	ug/l	100
4) Vinyl Chloride	1.379	62	40264	17.798	ug/l	97
5) Bromomethane	1.617	94	32225	22.558	ug/l	95
6) Chloroethane	1.696	64	28844	19.469	ug/l	95
7) Trichlorofluoromethane	1.892	101	68109	19.030	ug/l	99
8) Diethyl Ether	2.129	74	28592	19.902	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	40632	19.610	ug/l	99
10) Methyl Iodide	2.452	142	59597	19.435	ug/l	98
11) Tert butyl alcohol	2.928	59	47448	96.658	ug/l	97
12) 1,1-Dichloroethene	2.324	96	41381	19.120	ug/l	90
13) Acrolein	2.233	56	7839	110.370	ug/l	93
14) Allyl chloride	2.666	41	74485	18.485	ug/l	98
15) Acrylonitrile	3.056	53	143214	99.939	ug/l	99
16) Acetone	2.367	43	118521	96.652	ug/l	98
17) Carbon Disulfide	2.513	76	107088	17.584	ug/l	99
18) Methyl Acetate	2.696	43	62970	18.686	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	150951	19.751	ug/l	99
20) Methylene Chloride	2.788	84	48089	19.075	ug/l	97
21) trans-1,2-Dichloroethene	3.086	96	43532	18.978	ug/l	96
22) Diisopropyl ether	3.745	45	154395	19.954	ug/l	98
23) Vinyl Acetate	3.708	43	659050	97.254	ug/l	97
24) 1,1-Dichloroethane	3.605	63	83432	19.652	ug/l	98
25) 2-Butanone	4.531	43	181035	99.796	ug/l	99
26) 2,2-Dichloropropane	4.464	77	70906	19.590	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	53908	19.227	ug/l	99
28) Bromochloromethane	4.885	49	37580	18.018	ug/l	96
29) Tetrahydrofuran	4.976	42	125069	96.667	ug/l	98
30) Chloroform	5.074	83	87739	20.018	ug/l	99
31) Cyclohexane	5.458	56	68170	19.597	ug/l	99
32) 1,1,1-Trichloroethane	5.360	97	75332	19.694	ug/l	100
36) 1,1-Dichloropropene	5.671	75	57472	18.714	ug/l	98
37) Ethyl Acetate	4.690	43	79740	18.446	ug/l	98
38) Carbon Tetrachloride	5.665	117	63621	18.199	ug/l	99
39) Methylcyclohexane	7.360	83	65663	19.042	ug/l	99
40) Benzene	6.019	78	177697	18.666	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	36749	19.330	ug/l	99
42) 1,2-Dichloroethane	6.068	62	63493	19.466	ug/l	100
43) Isopropyl Acetate	6.318	43	112644	18.537	ug/l	100
44) Trichloroethene	7.110	130	43970	19.324	ug/l	100
45) 1,2-Dichloropropane	7.409	63	44610	20.381	ug/l	99
46) Dibromomethane	7.561	93	33614	21.055	ug/l	96
47) Bromodichloromethane	7.805	83	68178	21.407	ug/l	99
48) Methyl methacrylate	7.671	41	54995	20.359	ug/l	99
49) 1,4-Dioxane	7.640	88	17609	427.803	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	390591	112.918	ug/l	97
52) Toluene	8.701	92	109726	21.893	ug/l	99
53) t-1,3-Dichloropropene	8.963	75	57086	17.395	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	75631	22.257	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	36855	18.405	ug/l	96
56) Ethyl methacrylate	9.098	69	60170	18.061	ug/l #	92
57) 1,3-Dichloropropane	9.293	76	63059	18.092	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	181655	101.420	ug/l	100
59) 2-Hexanone	9.415	43	242259	94.152	ug/l	95
60) Dibromochloromethane	9.506	129	44407	18.062	ug/l	98
61) 1,2-Dibromoethane	9.591	107	39300	18.120	ug/l	99
64) Tetrachloroethene	9.256	164	30044	19.031	ug/l	99
65) Chlorobenzene	10.061	112	100586	19.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	35840	20.733	ug/l	99
67) Ethyl Benzene	10.177	91	172950	19.964	ug/l	97
68) m/p-Xylenes	10.280	106	132677	40.664	ug/l	98
69) o-Xylene	10.622	106	62400	19.547	ug/l	96
70) Styrene	10.640	104	108316	20.227	ug/l	99
71) Bromoform	10.780	173	31172	19.546	ug/l #	99
73) Isopropylbenzene	10.945	105	163131	20.070	ug/l	99
74) N-amyl acetate	10.823	43	81571	19.986	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	56515	19.716	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	53240m	19.735	ug/l	
77) Bromobenzene	11.176	156	41718	19.876	ug/l	98
78) n-propylbenzene	11.286	91	192200	20.110	ug/l	100
79) 2-Chlorotoluene	11.347	91	114797	19.877	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	135577	20.460	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.000	75	17544	18.601	ug/l	86
82) 4-Chlorotoluene	11.439	91	137467	20.292	ug/l	99
83) tert-Butylbenzene	11.695	119	138927	20.270	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	137630	20.585	ug/l	99
85) sec-Butylbenzene	11.871	105	169400	19.998	ug/l	100
86) p-Isopropyltoluene	11.993	119	142001	19.940	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	75117	19.095	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	80148	19.725	ug/l	98
89) n-Butylbenzene	12.316	91	134304	20.103	ug/l	99
90) Hexachloroethane	12.518	117	26143	19.267	ug/l	99
91) 1,2-Dichlorobenzene	12.316	146	75105	19.888	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13335	20.019	ug/l	96
93) 1,2,4-Trichlorobenzene	13.566	180	47268	18.836	ug/l	99
94) Hexachlorobutadiene	13.706	225	20155	19.213	ug/l	98
95) Naphthalene	13.755	128	155164	19.231	ug/l	100
96) 1,2,3-Trichlorobenzene	13.944	180	44770	19.180	ug/l	99

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

