

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048566.D
 Acq On : 12 Nov 2025 10:30
 Operator : JC/MD
 Sample : VX1112WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBS01

Quant Time: Nov 19 01:19:48 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	191720	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	311333	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	276234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136753	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	128356	48.047	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.100%		
35) Dibromofluoromethane	5.367	113	112379	47.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.380%		
50) Toluene-d8	8.628	98	383638	52.202	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	104.400%		
62) 4-Bromofluorobenzene	11.061	95	135311	49.406	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	32937	21.201	ug/l	99
3) Chloromethane	1.301	50	39818	19.325	ug/l	97
4) Vinyl Chloride	1.380	62	44957	19.271	ug/l	97
5) Bromomethane	1.618	94	32520	22.076	ug/l	89
6) Chloroethane	1.697	64	29281	19.165	ug/l	98
7) Trichlorofluoromethane	1.892	101	71275	19.312	ug/l	99
8) Diethyl Ether	2.136	74	27441	18.522	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	42992	20.121	ug/l	98
10) Methyl Iodide	2.453	142	59366	18.774	ug/l	99
11) Tert butyl alcohol	2.928	59	43451	85.836	ug/l	97
12) 1,1-Dichloroethene	2.325	96	42198	18.907	ug/l	99
13) Acrolein	2.233	56	10532	143.797	ug/l	93
14) Allyl chloride	2.666	41	76780	18.478	ug/l	99
15) Acrylonitrile	3.050	53	146851	99.375	ug/l	99
16) Acetone	2.367	43	117744	93.111	ug/l	97
17) Carbon Disulfide	2.514	76	113627	18.092	ug/l	95
18) Methyl Acetate	2.697	43	65775	18.927	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	150651	19.115	ug/l	99
20) Methylene Chloride	2.788	84	49346	18.981	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	45583	19.270	ug/l	97
22) Diisopropyl ether	3.745	45	155069	19.435	ug/l	100
23) Vinyl Acetate	3.709	43	659092	94.316	ug/l	100
24) 1,1-Dichloroethane	3.599	63	83883	19.160	ug/l	99
25) 2-Butanone	4.526	43	180209	96.333	ug/l	96
26) 2,2-Dichloropropane	4.458	77	69967	18.746	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	53981	18.670	ug/l	98
28) Bromochloromethane	4.879	49	39107	18.183	ug/l	100
29) Tetrahydrofuran	4.977	42	125080	93.748	ug/l	98
30) Chloroform	5.074	83	85889	19.003	ug/l	98
31) Cyclohexane	5.458	56	72184	20.122	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	74396	18.861	ug/l	97
36) 1,1-Dichloropropene	5.672	75	57901	18.351	ug/l	99
37) Ethyl Acetate	4.690	43	84919	19.120	ug/l	98
38) Carbon Tetrachloride	5.660	117	66515	18.519	ug/l	98
39) Methylcyclohexane	7.360	83	69317	19.565	ug/l	96
40) Benzene	6.019	78	179512	18.354	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	36285	18.577	ug/l	98
42) 1,2-Dichloroethane	6.068	62	62840	18.752	ug/l	98
43) Isopropyl Acetate	6.312	43	113767	18.222	ug/l	100
44) Trichloroethene	7.104	130	46017	19.683	ug/l	93
45) 1,2-Dichloropropane	7.409	63	44880	19.957	ug/l	100
46) Dibromomethane	7.562	93	33046	20.147	ug/l	99
47) Bromodichloromethane	7.799	83	67622	20.665	ug/l	99
48) Methyl methacrylate	7.671	41	55253	19.908	ug/l	99
49) 1,4-Dioxane	7.641	88	15198	359.373	ug/l #	95
51) 4-Methyl-2-Pentanone	8.555	43	384484	108.186	ug/l	97
52) Toluene	8.702	92	113639	22.069	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	66462	19.712	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	74257	21.269	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	44859	21.804	ug/l	97
56) Ethyl methacrylate	9.098	69	72105	21.066	ug/l	98
57) 1,3-Dichloropropane	9.287	76	75965	21.214	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	199992	108.678	ug/l	99
59) 2-Hexanone	9.409	43	283731	107.327	ug/l	98
60) Dibromochloromethane	9.500	129	52996	20.981	ug/l	98
61) 1,2-Dibromoethane	9.592	107	48082	21.578	ug/l	100
64) Tetrachloroethene	9.256	164	38899	19.388	ug/l	98
65) Chlorobenzene	10.061	112	122745	18.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	43275	19.699	ug/l	99
67) Ethyl Benzene	10.177	91	210169	19.089	ug/l	97
68) m/p-Xylenes	10.281	106	161727	39.003	ug/l	100
69) o-Xylene	10.622	106	77922	19.207	ug/l	99
70) Styrene	10.634	104	133153	19.565	ug/l	99
71) Bromoform	10.781	173	37513	18.509	ug/l #	99
73) Isopropylbenzene	10.945	105	200115	20.160	ug/l	99
74) N-amyl acetate	10.823	43	94296	18.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	68916	19.687	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	62812m	19.065	ug/l	
77) Bromobenzene	11.183	156	49289	19.229	ug/l	98
78) n-propylbenzene	11.287	91	235929	20.213	ug/l	100
79) 2-Chlorotoluene	11.348	91	138698	19.665	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	160580	19.844	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	21456	18.628	ug/l	94
82) 4-Chlorotoluene	11.433	91	163405	19.751	ug/l	100
83) tert-Butylbenzene	11.695	119	167182	19.974	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	163070	19.972	ug/l	98
85) sec-Butylbenzene	11.872	105	207756	20.083	ug/l	100
86) p-Isopropyltoluene	11.988	119	172196	19.800	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	92688	19.294	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	94888	19.122	ug/l	99
89) n-Butylbenzene	12.311	91	159246	19.519	ug/l	100
90) Hexachloroethane	12.518	117	30884	18.638	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	89244	19.351	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15812	19.437	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	55791	18.205	ug/l	99
94) Hexachlorobutadiene	13.707	225	23316	18.200	ug/l	100
95) Naphthalene	13.756	128	187277	19.007	ug/l	100
96) 1,2,3-Trichlorobenzene	13.945	180	52943	18.573	ug/l	98

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

