

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048284.D
 Acq On : 22 Oct 2025 10:18
 Operator : JC/MD
 Sample : VX1022WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 05:52:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	120104	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	195961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	180624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	92297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	82990	49.283	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.560%		
35) Dibromofluoromethane	5.367	113	65947	49.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	8.629	98	230741	49.207	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.420%		
62) 4-Bromofluorobenzene	11.061	95	88101	49.387	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	23340	18.904	ug/l	96
3) Chloromethane	1.301	50	22183	19.248	ug/l	98
4) Vinyl Chloride	1.380	62	18991	17.795	ug/l	99
5) Bromomethane	1.618	94	12429	17.161	ug/l	99
6) Chloroethane	1.697	64	10355	16.512	ug/l #	86
7) Trichlorofluoromethane	1.898	101	36108	17.642	ug/l	96
8) Diethyl Ether	2.136	74	9485	16.470	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.337	101	23134	17.849	ug/l	95
10) Methyl Iodide	2.453	142	29973	18.396	ug/l	97
11) Tert butyl alcohol	2.941	59	12474	74.608	ug/l	98
12) 1,1-Dichloroethene	2.325	96	21375	16.952	ug/l	89
13) Acrolein	2.233	56	17626	103.366	ug/l	94
14) Allyl chloride	2.666	41	34578	16.517	ug/l	95
15) Acrylonitrile	3.056	53	51590	85.572	ug/l	99
16) Acetone	2.374	43	48392	83.768	ug/l	95
17) Carbon Disulfide	2.514	76	60156	15.137	ug/l	96
18) Methyl Acetate	2.697	43	20120	16.677	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	76922	17.882	ug/l	95
20) Methylene Chloride	2.788	84	25251	17.939	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	23986	17.318	ug/l	97
22) Diisopropyl ether	3.751	45	76447	18.308	ug/l	95
23) Vinyl Acetate	3.709	43	296196	88.804	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44297	17.545	ug/l	99
25) 2-Butanone	4.538	43	64935	88.805	ug/l	96
26) 2,2-Dichloropropane	4.459	77	41209	18.083	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	29677	18.359	ug/l	99
28) Bromochloromethane	4.885	49	19339	18.473	ug/l	85
29) Tetrahydrofuran	4.983	42	38740	88.463	ug/l	92
30) Chloroform	5.074	83	51696	19.165	ug/l	99
31) Cyclohexane	5.458	56	38986	18.651	ug/l	93
32) 1,1,1-Trichloroethane	5.367	97	46741	18.802	ug/l	99
36) 1,1-Dichloropropene	5.678	75	34395	18.089	ug/l	99
37) Ethyl Acetate	4.696	43	26522	16.828	ug/l #	95
38) Carbon Tetrachloride	5.666	117	42819	18.252	ug/l	98
39) Methylcyclohexane	7.367	83	40011	17.817	ug/l	93
40) Benzene	6.019	78	102728	18.608	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	15325	18.516	ug/l	97
42) 1,2-Dichloroethane	6.068	62	39959	19.615	ug/l	100
43) Isopropyl Acetate	6.324	43	47991	18.537	ug/l #	94
44) Trichloroethene	7.111	130	27345	18.759	ug/l	89
45) 1,2-Dichloropropane	7.415	63	25354	19.317	ug/l	97
46) Dibromomethane	7.568	93	20155	19.710	ug/l	93
47) Bromodichloromethane	7.806	83	43009	19.480	ug/l	97
48) Methyl methacrylate	7.678	41	24768	18.959	ug/l	95
49) 1,4-Dioxane	7.647	88	6857	397.302	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	143580	96.190	ug/l	98
52) Toluene	8.702	92	68859	19.634	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	42100	19.787	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	43961	19.150	ug/l	91
55) 1,1,2-Trichloroethane	9.135	97	26128	20.033	ug/l	96
56) Ethyl methacrylate	9.098	69	37038	19.415	ug/l	94
57) 1,3-Dichloropropane	9.293	76	44479	19.965	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	87997	86.903	ug/l	95
59) 2-Hexanone	9.415	43	100647	96.700	ug/l	96
60) Dibromochloromethane	9.500	129	33589	19.161	ug/l	99
61) 1,2-Dibromoethane	9.592	107	28498	20.496	ug/l	93
64) Tetrachloroethene	9.257	164	24658	18.287	ug/l	91
65) Chlorobenzene	10.061	112	77769	19.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	28328	18.982	ug/l	99
67) Ethyl Benzene	10.177	91	129701	18.749	ug/l	99
68) m/p-Xylenes	10.287	106	99982	38.899	ug/l	99
69) o-Xylene	10.622	106	47318	19.068	ug/l	100
70) Styrene	10.634	104	82638	19.558	ug/l	100
71) Bromoform	10.781	173	22550	18.905	ug/l #	99
73) Isopropylbenzene	10.945	105	124929	18.532	ug/l	100
74) N-amyl acetate	10.823	43	42802	17.899	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	34771	18.887	ug/l	97
76) 1,2,3-Trichloropropane	11.220	75	31727m	21.197	ug/l	
77) Bromobenzene	11.177	156	31977	18.917	ug/l	93
78) n-propylbenzene	11.287	91	146740	18.800	ug/l	98
79) 2-Chlorotoluene	11.348	91	90136	19.047	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	105222	18.861	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	10645	17.303	ug/l	96
82) 4-Chlorotoluene	11.433	91	105630	18.803	ug/l	96
83) tert-Butylbenzene	11.695	119	107485	18.752	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	107910	19.382	ug/l	99
85) sec-Butylbenzene	11.872	105	126036	18.276	ug/l	100
86) p-Isopropyltoluene	11.988	119	109030	18.291	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	58821	18.459	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	60184	18.231	ug/l	98
89) n-Butylbenzene	12.317	91	93633	17.258	ug/l	98
90) Hexachloroethane	12.518	117	19578	16.632	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	54904	18.351	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	6427	17.199	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	33681	16.647	ug/l	97
94) Hexachlorobutadiene	13.707	225	13822	18.273	ug/l	97
95) Naphthalene	13.756	128	92069	17.176	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	33036	17.794	ug/l	98

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

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