

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048040.D
 Acq On : 07 Oct 2025 10:34
 Operator : JC/MD
 Sample : VX1007WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

Quant Time: Oct 08 01:22:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	129287	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	207970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	105986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	109012	52.972	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.940%			
35) Dibromofluoromethane	5.367	113	83203	54.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.720%			
50) Toluene-d8	8.634	98	279132	53.185	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.360%			
62) 4-Bromofluorobenzene	11.061	95	106533	53.485	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.960%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	25734	19.222	ug/l	99
3) Chloromethane	1.300	50	29434	16.728	ug/l	98
4) Vinyl Chloride	1.380	62	31750	18.434	ug/l	98
5) Bromomethane	1.617	94	21525	19.708	ug/l	100
6) Chloroethane	1.697	64	21297	18.500	ug/l	100
7) Trichlorofluoromethane	1.898	101	50917	19.910	ug/l	97
8) Diethyl Ether	2.136	74	21156	20.223	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	30212	20.204	ug/l	97
10) Methyl Iodide	2.453	142	34836	14.937	ug/l	98
11) Tert butyl alcohol	2.940	59	23311	101.707	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29331	19.095	ug/l	93
13) Acrolein	2.233	56	24785	117.348	ug/l	95
14) Allyl chloride	2.666	41	58323	18.400	ug/l	97
15) Acrylonitrile	3.056	53	95434	112.412	ug/l	99
16) Acetone	2.373	43	79386	88.720	ug/l	97
17) Carbon Disulfide	2.514	76	69412	16.507	ug/l	98
18) Methyl Acetate	2.697	43	47223	23.714	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	114319	20.387	ug/l	99
20) Methylene Chloride	2.788	84	38168	20.152	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	31909	19.295	ug/l	98
22) Diisopropyl ether	3.745	45	127984	20.834	ug/l #	80
23) Vinyl Acetate	3.709	43	497771	101.245	ug/l	100
24) 1,1-Dichloroethane	3.599	63	66422	20.343	ug/l	98
25) 2-Butanone	4.538	43	116527	104.402	ug/l	97
26) 2,2-Dichloropropane	4.465	77	52230	19.244	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40046	19.773	ug/l	98
28) Bromochloromethane	4.879	49	32037	22.476	ug/l	99
29) Tetrahydrofuran	4.989	42	70161	104.493	ug/l	99
30) Chloroform	5.074	83	71848	21.776	ug/l	97
31) Cyclohexane	5.452	56	49103	18.057	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	59493	21.258	ug/l	99
36) 1,1-Dichloropropene	5.678	75	42215	19.047	ug/l	99
37) Ethyl Acetate	4.696	43	47144	19.866	ug/l	97
38) Carbon Tetrachloride	5.659	117	49019	20.356	ug/l	96
39) Methylcyclohexane	7.366	83	46603	18.524	ug/l	96
40) Benzene	6.025	78	136485	20.275	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	26431	21.574	ug/l	97
42) 1,2-Dichloroethane	6.068	62	54111	21.126	ug/l	98
43) Isopropyl Acetate	6.318	43	82539	21.207	ug/l	99
44) Trichloroethene	7.110	130	32478	19.956	ug/l	96
45) 1,2-Dichloropropane	7.409	63	37442	21.722	ug/l	98
46) Dibromomethane	7.562	93	26732	21.311	ug/l	97
47) Bromodichloromethane	7.805	83	57177	22.089	ug/l	99
48) Methyl methacrylate	7.677	41	39794	20.527	ug/l	98
49) 1,4-Dioxane	7.647	88	9973	509.029	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	248725	115.262	ug/l	98
52) Toluene	8.702	92	85813	20.691	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	54344	20.583	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	58877	20.864	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	36673	22.932	ug/l	98
56) Ethyl methacrylate	9.098	69	52781	21.016	ug/l	98
57) 1,3-Dichloropropane	9.293	76	62031	22.580	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	124068	110.225	ug/l	99
59) 2-Hexanone	9.415	43	170424	109.964	ug/l	100
60) Dibromochloromethane	9.506	129	42828	23.243	ug/l	99
61) 1,2-Dibromoethane	9.592	107	36442	22.373	ug/l	98
64) Tetrachloroethene	9.256	164	26846	19.802	ug/l	96
65) Chlorobenzene	10.061	112	96810	20.490	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	35383	21.703	ug/l	98
67) Ethyl Benzene	10.177	91	159608	19.579	ug/l	100
68) m/p-Xylenes	10.287	106	122985	40.532	ug/l	99
69) o-Xylene	10.622	106	58030	19.773	ug/l	97
70) Styrene	10.640	104	104742	20.368	ug/l	98
71) Bromoform	10.780	173	27253	22.387	ug/l #	99
73) Isopropylbenzene	10.945	105	154543	19.179	ug/l	99
74) N-amyl acetate	10.829	43	69650	18.955	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	52174	21.401	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	46431m	21.637	ug/l	
77) Bromobenzene	11.183	156	39023	19.663	ug/l	97
78) n-propylbenzene	11.286	91	184268	19.345	ug/l	100
79) 2-Chlorotoluene	11.347	91	115039	19.719	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	128280	19.377	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	14510	17.243	ug/l	95
82) 4-Chlorotoluene	11.439	91	133926	19.437	ug/l	100
83) tert-Butylbenzene	11.695	119	130736	19.291	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	129597	19.309	ug/l	97
85) sec-Butylbenzene	11.872	105	160547	19.945	ug/l	100
86) p-Isopropyltoluene	11.994	119	132790	19.486	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	72227	19.594	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	75625	19.989	ug/l	99
89) n-Butylbenzene	12.317	91	121031	19.194	ug/l	98
90) Hexachloroethane	12.518	117	24161	20.194	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	71603	20.389	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	9851	19.958	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	42699	18.708	ug/l	99
94) Hexachlorobutadiene	13.707	225	15658	20.197	ug/l	98
95) Naphthalene	13.756	128	129869	18.686	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	42194	19.874	ug/l	97

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

