

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046992.D
 Acq On : 15 Jul 2025 11:47
 Operator : JC/MD
 Sample : VX0715WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:22:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	305492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	513541	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	232542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	211369	52.373	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.740%			
35) Dibromofluoromethane	5.397	113	170304	48.855	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.700%			
50) Toluene-d8	8.646	98	576095	46.840	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.680%			
62) 4-Bromofluorobenzene	11.079	95	233403	49.933	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	50117	17.154	ug/l	97
3) Chloromethane	1.306	50	52005	16.292	ug/l	94
4) Vinyl Chloride	1.386	62	58616	16.863	ug/l	97
5) Bromomethane	1.623	94	39518	17.694	ug/l	93
6) Chloroethane	1.703	64	39586	17.246	ug/l	99
7) Trichlorofluoromethane	1.904	101	97172	18.079	ug/l	98
8) Diethyl Ether	2.148	74	38592	20.176	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	61546	17.970	ug/l	98
10) Methyl Iodide	2.465	142	56725	15.203	ug/l	97
11) Tert butyl alcohol	2.958	59	41572	157.058	ug/l	98
12) 1,1-Dichloroethene	2.337	96	57818	17.454	ug/l	98
13) Acrolein	2.251	56	25138	87.806	ug/l	98
14) Allyl chloride	2.678	41	114885	19.479	ug/l	99
15) Acrylonitrile	3.074	53	182642	119.346	ug/l	100
16) Acetone	2.385	43	141326	112.734	ug/l	97
17) Carbon Disulfide	2.526	76	125440	14.439	ug/l	99
18) Methyl Acetate	2.715	43	93939	28.430	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	219230	23.435	ug/l	99
20) Methylene Chloride	2.800	84	71788	19.366	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	62651	18.483	ug/l	94
22) Diisopropyl ether	3.769	45	247356	21.709	ug/l	93
23) Vinyl Acetate	3.733	43	949123	111.187	ug/l	99
24) 1,1-Dichloroethane	3.623	63	128338	19.750	ug/l	99
25) 2-Butanone	4.562	43	221065	132.172	ug/l	99
26) 2,2-Dichloropropane	4.483	77	92465	19.119	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	81310	19.647	ug/l	99
28) Bromochloromethane	4.909	49	69731	21.743	ug/l	99
29) Tetrahydrofuran	5.019	42	144244	135.289	ug/l	97
30) Chloroform	5.104	83	132527	19.962	ug/l	97
31) Cyclohexane	5.482	56	106283	18.423	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	108914	19.637	ug/l	99
36) 1,1-Dichloropropene	5.702	75	86468	18.385	ug/l	99
37) Ethyl Acetate	4.726	43	86431	21.576	ug/l	98
38) Carbon Tetrachloride	5.684	117	94359	18.977	ug/l	99
39) Methylcyclohexane	7.385	83	101309	17.220	ug/l	98
40) Benzene	6.049	78	269093	18.916	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	55099	25.784	ug/l	96
42) 1,2-Dichloroethane	6.092	62	100329	20.769	ug/l	100
43) Isopropyl Acetate	6.342	43	148802	24.252	ug/l	99
44) Trichloroethene	7.128	130	66510	17.960	ug/l	95
45) 1,2-Dichloropropane	7.433	63	72326	20.123	ug/l	99
46) Dibromomethane	7.586	93	50793	20.397	ug/l	99
47) Bromodichloromethane	7.823	83	105317	19.806	ug/l #	96
48) Methyl methacrylate	7.695	41	79931	25.229	ug/l	96
49) 1,4-Dioxane	7.665	88	20271	552.199	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	479055	132.293	ug/l	100
52) Toluene	8.720	92	168838	19.153	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	98819	20.824	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	110210	20.347	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	68954	21.000	ug/l	96
56) Ethyl methacrylate	9.116	69	106947	23.533	ug/l	97
57) 1,3-Dichloropropane	9.305	76	118093	20.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	281203	109.817	ug/l	100
59) 2-Hexanone	9.427	43	328663	136.834	ug/l	99
60) Dibromochloromethane	9.518	129	79462	20.222	ug/l	98
61) 1,2-Dibromoethane	9.610	107	69979	21.221	ug/l	99
64) Tetrachloroethene	9.274	164	55306	18.216	ug/l	96
65) Chlorobenzene	10.079	112	193575	19.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	67149	20.261	ug/l	99
67) Ethyl Benzene	10.195	91	330043	19.548	ug/l	100
68) m/p-Xylenes	10.299	106	249352	39.193	ug/l	100
69) o-Xylene	10.640	106	122889	19.996	ug/l	99
70) Styrene	10.652	104	214542	20.404	ug/l	99
71) Bromoform	10.799	173	52067	21.128	ug/l #	99
73) Isopropylbenzene	10.963	105	324686	19.862	ug/l	99
74) N-amyl acetate	10.841	43	137216	24.702	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	103069	22.930	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	82167m	22.868	ug/l	
77) Bromobenzene	11.195	156	80795	19.843	ug/l	98
78) n-propylbenzene	11.305	91	385348	19.550	ug/l	100
79) 2-Chlorotoluene	11.359	91	228852	19.663	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	269887	20.319	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	27702	20.689	ug/l	93
82) 4-Chlorotoluene	11.451	91	273992	20.400	ug/l	99
83) tert-Butylbenzene	11.713	119	273827	19.960	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	271514	20.223	ug/l	95
85) sec-Butylbenzene	11.890	105	345223	19.959	ug/l	100
86) p-Isopropyltoluene	12.006	119	287992	19.882	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	150869	19.812	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	152858	19.287	ug/l	99
89) n-Butylbenzene	12.329	91	265511	19.508	ug/l	98
90) Hexachloroethane	12.536	117	47612	18.542	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	146500	19.852	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	19865	25.267	ug/l	93
93) 1,2,4-Trichlorobenzene	13.585	180	99404	19.828	ug/l	98
94) Hexachlorobutadiene	13.719	225	34115	18.044	ug/l	99
95) Naphthalene	13.774	128	306096	23.171	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	95790	20.222	ug/l	99

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

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