

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070925\
 Data File : VX046923.D
 Acq On : 09 Jul 2025 10:57
 Operator : JC/MD
 Sample : VX0709WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0709WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/10/2025
 Supervised By : Mahesh Dadoda 07/10/2025

Quant Time: Jul 10 02:56:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 10 02:52:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	332255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	548688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	495827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	258000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	221771	50.524	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.040%			
35) Dibromofluoromethane	5.397	113	189036	50.755	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.647	98	656752	49.978	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.960%			
62) 4-Bromofluorobenzene	11.079	95	258480	51.755	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	60400	19.008	ug/l	100
3) Chloromethane	1.307	50	67808	19.532	ug/l	96
4) Vinyl Chloride	1.386	62	74031	19.582	ug/l	100
5) Bromomethane	1.630	94	51529	21.213	ug/l	93
6) Chloroethane	1.703	64	48430	19.400	ug/l	100
7) Trichlorofluoromethane	1.904	101	118734	20.311	ug/l	98
8) Diethyl Ether	2.148	74	43598	20.958	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	77924	20.920	ug/l	99
10) Methyl Iodide	2.471	142	77514	19.101	ug/l	97
11) Tert butyl alcohol	2.959	59	30510	105.982	ug/l	96
12) 1,1-Dichloroethene	2.337	96	72178	20.034	ug/l	98
13) Acrolein	2.252	56	29796	86.675	ug/l	96
14) Allyl chloride	2.678	41	129734	20.225	ug/l	99
15) Acrylonitrile	3.075	53	179773	108.009	ug/l	99
16) Acetone	2.386	43	135694	99.523	ug/l	95
17) Carbon Disulfide	2.532	76	173908	18.406	ug/l	100
18) Methyl Acetate	2.715	43	82994	23.094	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	218995	21.525	ug/l	95
20) Methylene Chloride	2.806	84	86207	21.382	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	75273	20.418	ug/l	98
22) Diisopropyl ether	3.776	45	272768	22.011	ug/l	93
23) Vinyl Acetate	3.733	43	983650	105.950	ug/l	98
24) 1,1-Dichloroethane	3.623	63	149999	21.224	ug/l	98
25) 2-Butanone	4.562	43	197648	108.652	ug/l	96
26) 2,2-Dichloropropane	4.483	77	108470	20.622	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	95032	21.113	ug/l	99
28) Bromochloromethane	4.910	49	71486	20.495	ug/l	97
29) Tetrahydrofuran	5.019	42	124661	107.504	ug/l	98
30) Chloroform	5.105	83	154543	21.404	ug/l	94
31) Cyclohexane	5.477	56	128205	20.433	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	125255	20.764	ug/l	98
36) 1,1-Dichloropropene	5.702	75	101544	20.207	ug/l	99
37) Ethyl Acetate	4.727	43	83402	19.486	ug/l	99
38) Carbon Tetrachloride	5.690	117	111477	20.983	ug/l	97
39) Methylcyclohexane	7.385	83	122377	19.468	ug/l	97
40) Benzene	6.050	78	313281	20.611	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	51840	22.705	ug/l	96
42) 1,2-Dichloroethane	6.099	62	109536	21.223	ug/l	100
43) Isopropyl Acetate	6.342	43	138972	21.199	ug/l	100
44) Trichloroethene	7.129	130	77839	19.673	ug/l	100
45) 1,2-Dichloropropane	7.434	63	80783	21.036	ug/l	96
46) Dibromomethane	7.586	93	57248	21.516	ug/l	99
47) Bromodichloromethane	7.824	83	121037	21.305	ug/l	99
48) Methyl methacrylate	7.696	41	73267	21.645	ug/l	100
49) 1,4-Dioxane	7.665	88	16144	411.606	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	433779	112.117	ug/l	98
52) Toluene	8.720	92	199363	21.167	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	106047	20.916	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	121263	20.953	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	76007	21.666	ug/l	97
56) Ethyl methacrylate	9.116	69	105020	21.629	ug/l	98
57) 1,3-Dichloropropane	9.305	76	131306	21.736	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	263091	96.163	ug/l	99
59) 2-Hexanone	9.427	43	290437	113.173	ug/l	98
60) Dibromochloromethane	9.519	129	90858	21.641	ug/l	97
61) 1,2-Dibromoethane	9.610	107	74193	21.058	ug/l	99
64) Tetrachloroethene	9.275	164	67840	20.550	ug/l	94
65) Chlorobenzene	10.080	112	225121	21.000	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	76111	21.120	ug/l	98
67) Ethyl Benzene	10.195	91	383007	20.863	ug/l	99
68) m/p-Xylenes	10.299	106	289596	41.863	ug/l	99
69) o-Xylene	10.640	106	141157	21.124	ug/l	99
70) Styrene	10.653	104	247997	21.692	ug/l	99
71) Bromoform	10.799	173	56949	21.254	ug/l #	100
73) Isopropylbenzene	10.964	105	376540	20.761	ug/l	100
74) N-amyl acetate	10.842	43	128615	20.869	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	106215	21.298	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82358m	20.659	ug/l	
77) Bromobenzene	11.195	156	91124	20.171	ug/l	97
78) n-propylbenzene	11.299	91	448182	20.494	ug/l	100
79) 2-Chlorotoluene	11.360	91	264219	20.461	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	310203	21.049	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28765	19.363	ug/l	95
82) 4-Chlorotoluene	11.451	91	312842	20.994	ug/l	100
83) tert-Butylbenzene	11.713	119	316313	20.782	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	312446	20.976	ug/l	97
85) sec-Butylbenzene	11.890	105	392648	20.460	ug/l	99
86) p-Isopropyltoluene	12.006	119	328782	20.459	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	177257	20.980	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	178022	20.246	ug/l	99
89) n-Butylbenzene	12.329	91	300528	19.902	ug/l	99
90) Hexachloroethane	12.536	117	55372	19.436	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	168320	20.558	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18176	20.838	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	108929	19.584	ug/l	98
94) Hexachlorobutadiene	13.719	225	38884	18.537	ug/l	99
95) Naphthalene	13.774	128	307486	20.979	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	106697	20.302	ug/l	100

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

