

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047080.D
 Acq On : 23 Jul 2025 11:13
 Operator : JC/MD
 Sample : VX0723WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:44:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	361496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	612680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	220854	49.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.080%		
35) Dibromofluoromethane	5.391	113	186492	49.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.647	98	574447	46.891	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.780%		
62) 4-Bromofluorobenzene	11.079	95	249887	47.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	94947	19.774	ug/l	99
3) Chloromethane	1.307	50	91576	19.281	ug/l	98
4) Vinyl Chloride	1.386	62	97520	19.100	ug/l	97
5) Bromomethane	1.624	94	68168	24.579	ug/l	99
6) Chloroethane	1.703	64	59366	17.704	ug/l	97
7) Trichlorofluoromethane	1.904	101	144644	18.999	ug/l	95
8) Diethyl Ether	2.148	74	50393	18.773	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	85292	18.595	ug/l	99
10) Methyl Iodide	2.465	142	69430	14.852	ug/l	98
11) Tert butyl alcohol	2.959	59	43656	75.763	ug/l	98
12) 1,1-Dichloroethene	2.337	96	84756	18.656	ug/l	98
13) Acrolein	2.245	56	121795	125.614	ug/l	99
14) Allyl chloride	2.678	41	154616	18.828	ug/l	99
15) Acrylonitrile	3.068	53	200778	93.487	ug/l	100
16) Acetone	2.386	43	155438	86.165	ug/l	99
17) Carbon Disulfide	2.526	76	241882	18.404	ug/l	98
18) Methyl Acetate	2.709	43	85906	17.920	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	252371	18.253	ug/l	99
20) Methylene Chloride	2.800	84	92754	18.690	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	87280	18.774	ug/l	99
22) Diisopropyl ether	3.770	45	301292	19.083	ug/l	90
23) Vinyl Acetate	3.727	43	1195327	94.392	ug/l	100
24) 1,1-Dichloroethane	3.623	63	164981	18.791	ug/l	99
25) 2-Butanone	4.562	43	233644	88.949	ug/l	99
26) 2,2-Dichloropropane	4.483	77	122724	18.058	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	102624	18.642	ug/l	99
28) Bromochloromethane	4.903	49	75175	18.612	ug/l	99
29) Tetrahydrofuran	5.007	42	153658	90.665	ug/l	99
30) Chloroform	5.099	83	168849	18.893	ug/l	98
31) Cyclohexane	5.483	56	155147	18.430	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	142655	18.377	ug/l	99
36) 1,1-Dichloropropene	5.696	75	118974	18.451	ug/l	98
37) Ethyl Acetate	4.721	43	98742	16.618	ug/l	100
38) Carbon Tetrachloride	5.684	117	124370	18.071	ug/l	97
39) Methylcyclohexane	7.385	83	144529	17.952	ug/l	96
40) Benzene	6.043	78	349201	18.713	ug/l	98

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41) Methacrylonitrile	4.928	41	57055	18.365	ug/l	95
42) 1,2-Dichloroethane	6.092	62	126004	19.168	ug/l	97
43) Isopropyl Acetate	6.342	43	168417	18.182	ug/l	99
44) Trichloroethene	7.129	130	86185	18.010	ug/l	98
45) 1,2-Dichloropropane	7.433	63	87148	18.646	ug/l	95
46) Dibromomethane	7.586	93	62619	19.105	ug/l	98
47) Bromodichloromethane	7.824	83	130318	18.680	ug/l	98
48) Methyl methacrylate	7.696	41	86555	17.152	ug/l	100
49) 1,4-Dioxane	7.659	88	20462	356.518	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	509611	92.558	ug/l	98
52) Toluene	8.720	92	214294	18.676	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	119927	18.204	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	137184	19.026	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	79236	18.413	ug/l	98
56) Ethyl methacrylate	9.116	69	117380	18.425	ug/l	98
57) 1,3-Dichloropropane	9.305	76	141099	18.867	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	313215	88.354	ug/l	100
59) 2-Hexanone	9.427	43	341522	93.886	ug/l	99
60) Dibromochloromethane	9.518	129	94020	18.629	ug/l	100
61) 1,2-Dibromoethane	9.610	107	83100	18.468	ug/l	99
64) Tetrachloroethene	9.275	164	70954	18.136	ug/l	96
65) Chlorobenzene	10.079	112	238955	18.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	79720	18.624	ug/l	98
67) Ethyl Benzene	10.189	91	417004	18.759	ug/l	98
68) m/p-Xylenes	10.299	106	313480	37.684	ug/l	99
69) o-Xylene	10.640	106	148377	18.749	ug/l	98
70) Styrene	10.652	104	262938	19.376	ug/l	98
71) Bromoform	10.799	173	58337	17.941	ug/l #	98
73) Isopropylbenzene	10.957	105	400473	18.918	ug/l	100
74) N-amyl acetate	10.841	43	152907	17.902	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	110786	18.322	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	91613m	18.447	ug/l	
77) Bromobenzene	11.195	156	93470	18.409	ug/l	99
78) n-propylbenzene	11.305	91	477633	18.882	ug/l	100
79) 2-Chlorotoluene	11.360	91	278245	18.401	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	326386	18.663	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	33172	17.208	ug/l	96
82) 4-Chlorotoluene	11.451	91	329898	18.691	ug/l	99
83) tert-Butylbenzene	11.713	119	327705	18.670	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	327517	18.776	ug/l	99
85) sec-Butylbenzene	11.890	105	416843	19.006	ug/l	99
86) p-Isopropyltoluene	12.006	119	344038	18.916	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	180013	18.659	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	181380	18.557	ug/l	98
89) n-Butylbenzene	12.329	91	327775	19.218	ug/l	98
90) Hexachloroethane	12.536	117	59083	18.159	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	171561	18.607	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20920	18.024	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	113441	18.621	ug/l	99
94) Hexachlorobutadiene	13.719	225	41014	19.796	ug/l	98
95) Naphthalene	13.774	128	328980	18.421	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	105785	18.025	ug/l	98

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

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