

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
 Data File : VX047514.D
 Acq On : 25 Aug 2025 12:03
 Operator : JC/MD
 Sample : VX0825WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0825WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/26/2025
 Supervised By : Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 00:36:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	227627	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	393751	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168592	52.921	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.840%			
35) Dibromofluoromethane	5.391	113	134691	52.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	8.647	98	464679	50.874	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	182348	54.099	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	49095	16.919	ug/l	97
3) Chloromethane	1.307	50	41718	15.982	ug/l	91
4) Vinyl Chloride	1.392	62	55011	16.790	ug/l	95
5) Bromomethane	1.630	94	22913	17.314	ug/l	99
6) Chloroethane	1.703	64	33866	16.894	ug/l	92
7) Trichlorofluoromethane	1.904	101	85878	17.720	ug/l	99
8) Diethyl Ether	2.142	74	30636	17.953	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	51292	18.245	ug/l	99
10) Methyl Iodide	2.471	142	60622	12.583	ug/l	96
11) Tert butyl alcohol	2.953	59	29133	105.121	ug/l	100
12) 1,1-Dichloroethene	2.337	96	50469	17.610	ug/l	96
13) Acrolein	2.246	56	51249	87.601	ug/l	97
14) Allyl chloride	2.678	41	89872	18.054	ug/l	98
15) Acrylonitrile	3.081	53	125236	93.517	ug/l	99
16) Acetone	2.392	43	129648	108.270	ug/l	97
17) Carbon Disulfide	2.526	76	138738	16.042	ug/l	100
18) Methyl Acetate	2.715	43	67695	21.816	ug/l	95
19) Methyl tert-butyl Ether	3.124	73	166841	19.136	ug/l	95
20) Methylene Chloride	2.800	84	58700	18.512	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	53574	17.612	ug/l	98
22) Diisopropyl ether	3.770	45	192687	19.583	ug/l	96
23) Vinyl Acetate	3.733	43	752162	93.262	ug/l	99
24) 1,1-Dichloroethane	3.623	63	103102	18.538	ug/l	98
25) 2-Butanone	4.568	43	161121	102.738	ug/l	99
26) 2,2-Dichloropropane	4.483	77	80502	19.178	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	65648	18.529	ug/l	100
28) Bromochloromethane	4.910	49	63733	27.538	ug/l	100
29) Tetrahydrofuran	5.026	42	95553	94.268	ug/l	98
30) Chloroform	5.105	83	108630	19.138	ug/l	95
31) Cyclohexane	5.477	56	89040	17.367	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	90282	18.479	ug/l	98
36) 1,1-Dichloropropene	5.702	75	70079	17.372	ug/l	97
37) Ethyl Acetate	4.721	43	70187	16.759	ug/l	97
38) Carbon Tetrachloride	5.684	117	78694	17.851	ug/l	95
39) Methylcyclohexane	7.379	83	85093	16.911	ug/l	97
40) Benzene	6.044	78	223335	18.496	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	32930	18.646	ug/l	96
42) 1,2-Dichloroethane	6.092	62	80660	18.859	ug/l	100
43) Isopropyl Acetate	6.342	43	110480	18.363	ug/l	99
44) Trichloroethene	7.129	130	54279	17.556	ug/l	97
45) 1,2-Dichloropropane	7.434	63	56522	18.685	ug/l	98
46) Dibromomethane	7.580	93	41021	18.679	ug/l	98
47) Bromodichloromethane	7.824	83	85767	18.839	ug/l	99
48) Methyl methacrylate	7.696	41	55667	17.826	ug/l	99
49) 1,4-Dioxane	7.684	88	12622	415.768	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	330514	95.465	ug/l	98
52) Toluene	8.720	92	137180	18.386	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	75271	18.944	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	85180	18.940	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	52503	18.534	ug/l	96
56) Ethyl methacrylate	9.116	69	77337	18.517	ug/l	97
57) 1,3-Dichloropropane	9.305	76	91170	18.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	180525	95.847	ug/l	99
59) 2-Hexanone	9.427	43	230570	96.277	ug/l	99
60) Dibromochloromethane	9.519	129	64637	19.199	ug/l	99
61) 1,2-Dibromoethane	9.610	107	54740	18.739	ug/l	97
64) Tetrachloroethene	9.275	164	45608	17.613	ug/l	99
65) Chlorobenzene	10.080	112	157124	18.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53393	18.566	ug/l	99
67) Ethyl Benzene	10.189	91	265282	18.118	ug/l	99
68) m/p-Xylenes	10.299	106	201484	36.904	ug/l	98
69) o-Xylene	10.640	106	96490	18.365	ug/l	99
70) Styrene	10.653	104	170430	19.198	ug/l	99
71) Bromoform	10.799	173	40995	18.975	ug/l #	99
73) Isopropylbenzene	10.957	105	254687	17.873	ug/l	99
74) N-amyl acetate	10.842	43	92637	17.120	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	78637	18.796	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	60095m	17.994	ug/l	
77) Bromobenzene	11.195	156	64601	18.566	ug/l	98
78) n-propylbenzene	11.299	91	311546	18.307	ug/l	99
79) 2-Chlorotoluene	11.360	91	187625	18.238	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	214667	18.310	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10198	19.050	ug/l	97
82) 4-Chlorotoluene	11.451	91	217662	17.949	ug/l	100
83) tert-Butylbenzene	11.713	119	215426	18.417	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	218291	18.618	ug/l	99
85) sec-Butylbenzene	11.890	105	265714	18.328	ug/l	99
86) p-Isopropyltoluene	12.006	119	226329	18.448	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	119938	18.043	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	124174	18.162	ug/l	98
89) n-Butylbenzene	12.329	91	208841	18.302	ug/l	100
90) Hexachloroethane	12.536	117	37953	17.634	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	116672	18.491	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13793	17.047	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	76059	17.982	ug/l	99
94) Hexachlorobutadiene	13.719	225	27523	18.280	ug/l	96
95) Naphthalene	13.774	128	217728	18.012	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	72027	18.065	ug/l	100

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

