

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050625\
 Data File : VX046053.D
 Acq On : 06 May 2025 11:02
 Operator : JC/MD
 Sample : VX0506WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0506WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 01:44:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	94779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	165135	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80151	45.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.720%		
35) Dibromofluoromethane	5.379	113	53703	45.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.320%		
50) Toluene-d8	8.647	98	187513	45.559	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.120%		
62) 4-Bromofluorobenzene	11.079	95	70646	44.748	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	29842	20.571	ug/l	98
3) Chloromethane	1.307	50	26802	19.052	ug/l	98
4) Vinyl Chloride	1.374	62	24374	18.616	ug/l	99
5) Bromomethane	1.599	94	12247	20.168	ug/l	96
6) Chloroethane	1.679	64	14554	20.823	ug/l	90
7) Trichlorofluoromethane	1.880	101	37359	19.307	ug/l	95
8) Diethyl Ether	2.130	74	12265	18.620	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	22821	19.058	ug/l	99
10) Methyl Iodide	2.447	142	27504	19.411	ug/l	98
11) Tert butyl alcohol	2.965	59	24135	97.306	ug/l	99
12) 1,1-Dichloroethene	2.313	96	21026	18.709	ug/l	95
13) Acrolein	2.233	56	26013	92.092	ug/l	98
14) Allyl chloride	2.660	41	41294	19.226	ug/l	99
15) Acrylonitrile	3.062	53	68918	97.173	ug/l	99
16) Acetone	2.380	43	67239	94.906	ug/l	99
17) Carbon Disulfide	2.508	76	49862	18.714	ug/l	100
18) Methyl Acetate	2.703	43	31367	19.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74958	19.024	ug/l	99
20) Methylene Chloride	2.782	84	24570	18.097	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	21368	18.906	ug/l	94
22) Diisopropyl ether	3.764	45	79380	19.133	ug/l	95
23) Vinyl Acetate	3.721	43	353300	96.818	ug/l	98
24) 1,1-Dichloroethane	3.605	63	45207	19.563	ug/l	98
25) 2-Butanone	4.556	43	100376	97.589	ug/l	97
26) 2,2-Dichloropropane	4.471	77	34362	18.998	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25848	18.998	ug/l	99
28) Bromochloromethane	4.891	49	21769	19.571	ug/l	99
29) Tetrahydrofuran	5.007	42	64787	100.520	ug/l	98
30) Chloroform	5.086	83	47093	19.552	ug/l	94
31) Cyclohexane	5.464	56	39814	18.907	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	40799	19.540	ug/l	99
36) 1,1-Dichloropropene	5.690	75	29576	18.511	ug/l	97
37) Ethyl Acetate	4.715	43	37538	19.016	ug/l	99
38) Carbon Tetrachloride	5.672	117	34377	19.149	ug/l	97
39) Methylcyclohexane	7.373	83	37771	18.363	ug/l	97
40) Benzene	6.031	78	91272	19.503	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21027	20.363	ug/l	98
42) 1,2-Dichloroethane	6.086	62	39648	19.630	ug/l	99
43) Isopropyl Acetate	6.342	43	57540	19.107	ug/l	100
44) Trichloroethene	7.123	130	21316	18.924	ug/l	93
45) 1,2-Dichloropropane	7.428	63	23126	19.873	ug/l	97
46) Dibromomethane	7.580	93	17557	19.129	ug/l	99
47) Bromodichloromethane	7.818	83	35558	19.670	ug/l	99
48) Methyl methacrylate	7.696	41	29597	19.244	ug/l	98
49) 1,4-Dioxane	7.659	88	12031	411.992	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	198101	99.102	ug/l	98
52) Toluene	8.714	92	56082	19.543	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30141	18.759	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	34323	19.327	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	21969	19.416	ug/l	96
56) Ethyl methacrylate	9.116	69	35057	19.439	ug/l	99
57) 1,3-Dichloropropane	9.305	76	40197	19.781	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	77900	84.730	ug/l	99
59) 2-Hexanone	9.427	43	149133	100.840	ug/l	99
60) Dibromochloromethane	9.519	129	24935	20.066	ug/l	96
61) 1,2-Dibromoethane	9.610	107	22658	19.266	ug/l	96
64) Tetrachloroethene	9.269	164	18682	18.454	ug/l	96
65) Chlorobenzene	10.079	112	59206	18.906	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20627	19.289	ug/l	99
67) Ethyl Benzene	10.189	91	107199	19.419	ug/l	99
68) m/p-Xylenes	10.299	106	79877	39.563	ug/l	100
69) o-Xylene	10.640	106	39534	20.085	ug/l	100
70) Styrene	10.653	104	63683	19.751	ug/l	98
71) Bromoform	10.799	173	14863	18.513	ug/l #	95
73) Isopropylbenzene	10.957	105	102824	19.580	ug/l	100
74) N-amyl acetate	10.842	43	50404	19.424	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35972	19.547	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30359m	18.698	ug/l	
77) Bromobenzene	11.195	156	23562	19.326	ug/l	98
78) n-propylbenzene	11.299	91	117723	19.279	ug/l	99
79) 2-Chlorotoluene	11.360	91	75252	19.107	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88765	20.232	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7991	16.023	ug/l	89
82) 4-Chlorotoluene	11.451	91	84322	19.306	ug/l	99
83) tert-Butylbenzene	11.713	119	85760	19.406	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	87102	19.605	ug/l	100
85) sec-Butylbenzene	11.890	105	106185	19.570	ug/l	99
86) p-Isopropyltoluene	12.006	119	86589	19.333	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	42117	18.928	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	42936	18.895	ug/l	98
89) n-Butylbenzene	12.329	91	73079	18.601	ug/l	99
90) Hexachloroethane	12.536	117	14865	18.839	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	43138	19.320	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7940	19.476	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23280	18.153	ug/l	98
94) Hexachlorobutadiene	13.725	225	10620	18.961	ug/l	97
95) Naphthalene	13.774	128	85651	18.210	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24052	18.176	ug/l	97

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

