

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046862.D
 Acq On : 02 Jul 2025 13:18
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	399111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	642908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	576289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104091	19.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.480%#		
35) Dibromofluoromethane	5.391	113	88863	20.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	8.647	98	313624	20.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.740%#		
62) 4-Bromofluorobenzene	11.079	95	120554	20.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	81688	21.402	ug/l	99
3) Chloromethane	1.306	50	86312	20.697	ug/l	97
4) Vinyl Chloride	1.386	62	94339	20.773	ug/l	100
5) Bromomethane	1.629	94	64159	21.988	ug/l	97
6) Chloroethane	1.703	64	61209	20.412	ug/l	100
7) Trichlorofluoromethane	1.904	101	147045	20.941	ug/l	98
8) Diethyl Ether	2.142	74	50485	20.203	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	93041	20.794	ug/l	98
10) Methyl Iodide	2.465	142	92753	19.028	ug/l	100
11) Tert butyl alcohol	2.952	59	33170	95.921	ug/l	99
12) 1,1-Dichloroethene	2.337	96	87106	20.127	ug/l	99
13) Acrolein	2.245	56	34095	91.049	ug/l	97
14) Allyl chloride	2.678	41	153719	19.950	ug/l	99
15) Acrylonitrile	3.068	53	198794	99.028	ug/l	99
16) Acetone	2.379	43	155869	95.170	ug/l	98
17) Carbon Disulfide	2.526	76	224317	19.764	ug/l	98
18) Methyl Acetate	2.709	43	89471	20.726	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	245776	20.110	ug/l	100
20) Methylene Chloride	2.800	84	99547	20.555	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	91856	20.742	ug/l	94
22) Diisopropyl ether	3.763	45	314003	21.094	ug/l	94
23) Vinyl Acetate	3.727	43	1136064	101.868	ug/l	100
24) 1,1-Dichloroethane	3.617	63	171529	20.204	ug/l	100
25) 2-Butanone	4.556	43	219759	100.571	ug/l	99
26) 2,2-Dichloropropane	4.483	77	124894	19.767	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	109844	20.316	ug/l	99
28) Bromochloromethane	4.903	49	83733	19.985	ug/l	97
29) Tetrahydrofuran	5.001	42	138587	99.493	ug/l	99
30) Chloroform	5.098	83	177543	20.470	ug/l	97
31) Cyclohexane	5.470	56	155952	20.692	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	144962	20.005	ug/l	98
36) 1,1-Dichloropropene	5.702	75	118611	20.144	ug/l	97
37) Ethyl Acetate	4.720	43	95352	19.013	ug/l	99
38) Carbon Tetrachloride	5.684	117	127307	20.188	ug/l	97
39) Methylcyclohexane	7.378	83	151595	20.582	ug/l	96
40) Benzene	6.043	78	373429	20.968	ug/l	100

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41) Methacrylonitrile	4.922	41	57138	21.358	ug/l	95
42) 1,2-Dichloroethane	6.086	62	125114	20.689	ug/l	99
43) Isopropyl Acetate	6.336	43	157613	20.519	ug/l	100
44) Trichloroethene	7.128	130	93746	20.221	ug/l	100
45) 1,2-Dichloropropane	7.427	63	93205	20.714	ug/l	99
46) Dibromomethane	7.580	93	64260	20.612	ug/l	100
47) Bromodichloromethane	7.817	83	137600	20.670	ug/l	98
48) Methyl methacrylate	7.695	41	78897	19.892	ug/l	97
49) 1,4-Dioxane	7.659	88	18907	411.405	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	473773	104.508	ug/l	99
52) Toluene	8.714	92	232882	21.102	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	120040	20.206	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	136889	20.187	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	84451	20.545	ug/l	97
56) Ethyl methacrylate	9.116	69	114929	20.200	ug/l	99
57) 1,3-Dichloropropane	9.305	76	147193	20.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	331143	103.298	ug/l	100
59) 2-Hexanone	9.427	43	314535	104.602	ug/l	99
60) Dibromochloromethane	9.518	129	100960	20.523	ug/l	100
61) 1,2-Dibromoethane	9.610	107	85342	20.672	ug/l	100
64) Tetrachloroethene	9.268	164	79577	20.740	ug/l	96
65) Chlorobenzene	10.073	112	256491	20.586	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	86804	20.724	ug/l	99
67) Ethyl Benzene	10.189	91	444690	20.841	ug/l	99
68) m/p-Xylenes	10.299	106	337082	41.924	ug/l	98
69) o-Xylene	10.640	106	162094	20.870	ug/l	99
70) Styrene	10.652	104	283121	21.307	ug/l	100
71) Bromoform	10.799	173	62957	20.215	ug/l #	98
73) Isopropylbenzene	10.957	105	428283	20.549	ug/l	100
74) N-amyl acetate	10.841	43	141581	19.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	116329	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	91349m	19.941	ug/l	
77) Bromobenzene	11.195	156	103902	20.014	ug/l	96
78) n-propylbenzene	11.298	91	517332	20.585	ug/l	100
79) 2-Chlorotoluene	11.359	91	307886	20.748	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	357455	21.108	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31721	18.582	ug/l	94
82) 4-Chlorotoluene	11.451	91	353678	20.654	ug/l	99
83) tert-Butylbenzene	11.713	119	360024	20.583	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	357753	20.900	ug/l	95
85) sec-Butylbenzene	11.890	105	456837	20.715	ug/l	100
86) p-Isopropyltoluene	12.006	119	377192	20.425	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	198351	20.429	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	202881	20.078	ug/l	99
89) n-Butylbenzene	12.329	91	360061	20.750	ug/l	99
90) Hexachloroethane	12.536	117	63705	19.459	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	192682	20.479	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19455	19.409	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	127830	19.999	ug/l	99
94) Hexachlorobutadiene	13.725	225	49928	20.713	ug/l	99
95) Naphthalene	13.774	128	343123	20.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	122506	20.284	ug/l	99

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

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