

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047484.D
 Acq On : 22 Aug 2025 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:19:08 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	202377	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	354638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	324101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156876	55.388	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.780%			
35) Dibromofluoromethane	5.391	113	122046	53.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.060%			
50) Toluene-d8	8.647	98	419479	50.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.980%			
62) 4-Bromofluorobenzene	11.079	95	160561	52.889	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	110755	42.931	ug/l	97
3) Chloromethane	1.313	50	95701	41.236	ug/l	98
4) Vinyl Chloride	1.392	62	127745	43.854	ug/l	96
5) Bromomethane	1.624	94	50511	42.930	ug/l	100
6) Chloroethane	1.703	64	81422	45.685	ug/l	99
7) Trichlorofluoromethane	1.904	101	186994	43.399	ug/l	99
8) Diethyl Ether	2.142	74	78847	51.970	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	113344	45.348	ug/l	98
10) Methyl Iodide	2.465	142	161545	37.716	ug/l	99
11) Tert butyl alcohol	2.959	59	69422	281.749	ug/l	100
12) 1,1-Dichloroethene	2.337	96	112343	44.089	ug/l	99
13) Acrolein	2.245	56	135030	259.607	ug/l	98
14) Allyl chloride	2.678	41	218245	49.313	ug/l	98
15) Acrylonitrile	3.081	53	313610	263.398	ug/l	99
16) Acetone	2.386	43	285280	267.964	ug/l	99
17) Carbon Disulfide	2.526	76	325641	42.351	ug/l	100
18) Methyl Acetate	2.709	43	159856	57.943	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	413165	53.300	ug/l	98
20) Methylene Chloride	2.800	84	139844	49.606	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	127129	47.007	ug/l	100
22) Diisopropyl ether	3.769	45	472502	54.011	ug/l	97
23) Vinyl Acetate	3.727	43	1915183	267.095	ug/l	99
24) 1,1-Dichloroethane	3.623	63	245050	49.558	ug/l	98
25) 2-Butanone	4.562	43	388898	278.919	ug/l	97
26) 2,2-Dichloropropane	4.483	77	180865	48.462	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	157104	49.875	ug/l	97
28) Bromochloromethane	4.903	49	122494	59.532	ug/l	100
29) Tetrahydrofuran	5.013	42	231797	257.210	ug/l	99
30) Chloroform	5.099	83	254837	50.499	ug/l	100
31) Cyclohexane	5.477	56	194217	42.608	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	202843	46.699	ug/l	99
36) 1,1-Dichloropropene	5.696	75	161908	44.562	ug/l	99
37) Ethyl Acetate	4.714	43	166297	44.088	ug/l	97
38) Carbon Tetrachloride	5.684	117	174249	43.887	ug/l	98
39) Methylcyclohexane	7.379	83	191087	42.164	ug/l	94
40) Benzene	6.043	78	517963	47.628	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	79394	49.915	ug/l	95
42) 1,2-Dichloroethane	6.092	62	193834	50.319	ug/l	99
43) Isopropyl Acetate	6.342	43	276273	50.985	ug/l	100
44) Trichloroethene	7.129	130	125639	45.119	ug/l	96
45) 1,2-Dichloropropane	7.433	63	136102	49.956	ug/l	99
46) Dibromomethane	7.580	93	100509	50.815	ug/l	96
47) Bromodichloromethane	7.824	83	209501	51.092	ug/l	100
48) Methyl methacrylate	7.690	41	145500	51.731	ug/l	99
49) 1,4-Dioxane	7.683	88	30467	1114.267	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	798993	256.232	ug/l	99
52) Toluene	8.714	92	322875	48.047	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	190463	53.221	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	210731	52.024	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	131207	51.424	ug/l	97
56) Ethyl methacrylate	9.116	69	196701	52.290	ug/l	99
57) 1,3-Dichloropropane	9.305	76	222481	51.172	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	457939	254.774	ug/l	98
59) 2-Hexanone	9.427	43	544688	252.526	ug/l	99
60) Dibromochloromethane	9.518	129	153592	50.654	ug/l	99
61) 1,2-Dibromoethane	9.610	107	133672	50.806	ug/l	98
64) Tetrachloroethene	9.275	164	103941	44.338	ug/l	99
65) Chlorobenzene	10.079	112	362411	47.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	127301	48.895	ug/l	100
67) Ethyl Benzene	10.189	91	613672	46.294	ug/l	99
68) m/p-Xylenes	10.299	106	465601	94.196	ug/l	100
69) o-Xylene	10.640	106	224870	47.274	ug/l	99
70) Styrene	10.652	104	399566	49.714	ug/l	99
71) Bromoform	10.799	173	99174	50.704	ug/l #	98
73) Isopropylbenzene	10.957	105	572656	44.928	ug/l	99
74) N-amyl acetate	10.841	43	236728	48.909	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	182217	48.691	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	142676m	47.760	ug/l	
77) Bromobenzene	11.195	156	146540	47.082	ug/l	100
78) n-propylbenzene	11.299	91	687439	45.159	ug/l	100
79) 2-Chlorotoluene	11.360	91	415839	45.189	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	484384	46.188	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27258	41.288	ug/l	100
82) 4-Chlorotoluene	11.451	91	496085	45.733	ug/l	100
83) tert-Butylbenzene	11.713	119	482449	46.111	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	488939	46.621	ug/l	99
85) sec-Butylbenzene	11.890	105	588223	45.359	ug/l	100
86) p-Isopropyltoluene	12.006	119	499743	45.540	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	272218	45.782	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	273935	44.794	ug/l	99
89) n-Butylbenzene	12.329	91	471493	46.193	ug/l	99
90) Hexachloroethane	12.536	117	84225	43.750	ug/l	96
91) 1,2-Dichlorobenzene	12.329	146	262651	46.538	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34717	47.970	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	177352	46.875	ug/l	99
94) Hexachlorobutadiene	13.719	225	63133	46.878	ug/l	99
95) Naphthalene	13.774	128	539890	49.933	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	169441	47.511	ug/l	99

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

