

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046329.D
 Acq On : 22 May 2025 15:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:48:17 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	83301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	147464	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80364	51.748	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	5.379	113	56019	52.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.500%			
50) Toluene-d8	8.647	98	187252	50.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.079	95	74835	53.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	63862	50.089	ug/l	100
3) Chloromethane	1.301	50	63074	51.014	ug/l	96
4) Vinyl Chloride	1.374	62	56480	49.083	ug/l	98
5) Bromomethane	1.593	94	25196	47.208	ug/l	97
6) Chloroethane	1.666	64	32060	52.189	ug/l	99
7) Trichlorofluoromethane	1.874	101	87742	51.593	ug/l	99
8) Diethyl Ether	2.136	74	29511	50.975	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	52684	50.059	ug/l	99
10) Methyl Iodide	2.447	142	62956	50.554	ug/l	99
11) Tert butyl alcohol	2.977	59	58623	268.920	ug/l	99
12) 1,1-Dichloroethene	2.307	96	49913	50.532	ug/l	97
13) Acrolein	2.233	56	78718	317.078	ug/l	98
14) Allyl chloride	2.654	41	99322	52.614	ug/l	98
15) Acrylonitrile	3.062	53	166599	267.269	ug/l	98
16) Acetone	2.386	43	160918	258.428	ug/l	99
17) Carbon Disulfide	2.502	76	102058	43.582	ug/l	98
18) Methyl Acetate	2.703	43	89930	62.238	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	186713	53.917	ug/l	98
20) Methylene Chloride	2.782	84	58490	49.017	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	49996	50.332	ug/l	99
22) Diisopropyl ether	3.757	45	199059	54.589	ug/l	97
23) Vinyl Acetate	3.721	43	870898	271.545	ug/l	100
24) 1,1-Dichloroethane	3.605	63	107679	53.018	ug/l	99
25) 2-Butanone	4.556	43	246151	272.292	ug/l	99
26) 2,2-Dichloropropane	4.465	77	70924	44.615	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	61779	51.663	ug/l	99
28) Bromochloromethane	4.891	49	51327	52.502	ug/l	98
29) Tetrahydrofuran	5.007	42	153376	270.759	ug/l	99
30) Chloroform	5.086	83	112146	52.976	ug/l	94
31) Cyclohexane	5.464	56	94176	50.885	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	96266	52.459	ug/l	100
36) 1,1-Dichloropropene	5.684	75	71946	50.426	ug/l	99
37) Ethyl Acetate	4.715	43	91053	51.653	ug/l	100
38) Carbon Tetrachloride	5.672	117	80079	49.953	ug/l	97
39) Methylcyclohexane	7.373	83	89542	48.748	ug/l	95
40) Benzene	6.031	78	217124	51.954	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52811	57.271	ug/l	99
42) 1,2-Dichloroethane	6.080	62	94417	52.347	ug/l	99
43) Isopropyl Acetate	6.336	43	147751	54.942	ug/l	99
44) Trichloroethene	7.123	130	50926	50.630	ug/l	90
45) 1,2-Dichloropropane	7.428	63	55068	52.992	ug/l	99
46) Dibromomethane	7.580	93	42314	51.628	ug/l	99
47) Bromodichloromethane	7.818	83	85785	53.142	ug/l	98
48) Methyl methacrylate	7.690	41	77428	56.377	ug/l	99
49) 1,4-Dioxane	7.659	88	27677	1061.351	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	498555	279.293	ug/l	99
52) Toluene	8.714	92	132376	51.658	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	76279	53.162	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	83745	52.808	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	53487	52.935	ug/l	97
56) Ethyl methacrylate	9.116	69	91562	56.856	ug/l	98
57) 1,3-Dichloropropane	9.305	76	93920	51.756	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	225076	274.145	ug/l	98
59) 2-Hexanone	9.427	43	372552	282.098	ug/l	99
60) Dibromochloromethane	9.519	129	60531	54.548	ug/l	98
61) 1,2-Dibromoethane	9.604	107	55687	53.025	ug/l	99
64) Tetrachloroethene	9.269	164	43460	46.772	ug/l	94
65) Chlorobenzene	10.073	112	142632	49.621	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	49601	50.535	ug/l	98
67) Ethyl Benzene	10.189	91	263211	51.948	ug/l	100
68) m/p-Xylenes	10.299	106	190512	102.805	ug/l	97
69) o-Xylene	10.640	106	94237	52.162	ug/l	97
70) Styrene	10.653	104	161179	54.462	ug/l	100
71) Bromoform	10.799	173	38680	52.490	ug/l #	99
73) Isopropylbenzene	10.957	105	252498	51.397	ug/l	100
74) N-amyl acetate	10.842	43	132931	54.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	86685	50.352	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	76808m	50.568	ug/l	
77) Bromobenzene	11.195	156	56794	49.796	ug/l	98
78) n-propylbenzene	11.299	91	294243	51.512	ug/l	99
79) 2-Chlorotoluene	11.360	91	183473	49.797	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	215594	52.530	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23051	49.409	ug/l	98
82) 4-Chlorotoluene	11.451	91	210721	51.573	ug/l	99
83) tert-Butylbenzene	11.713	119	213903	51.741	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	217118	52.239	ug/l	100
85) sec-Butylbenzene	11.890	105	265165	52.239	ug/l	99
86) p-Isopropyltoluene	12.006	119	217288	51.860	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	105837	50.846	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	105661	49.704	ug/l	100
89) n-Butylbenzene	12.329	91	192919	52.492	ug/l	99
90) Hexachloroethane	12.536	117	37648	51.003	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	107862	51.638	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20187	52.931	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	60193	50.173	ug/l	99
94) Hexachlorobutadiene	13.725	225	25036	47.782	ug/l	95
95) Naphthalene	13.774	128	227854	51.783	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	63220	51.070	ug/l	99

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

