

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070725\
 Data File : VX046892.D
 Acq On : 07 Jul 2025 08:44
 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 07/08/2025
 Supervised By : Mahesh Dadoda 07/08/2025

Quant Time: Jul 08 04:39:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 08 04:37:37 2025
 Response via : Initial Calibration

07/08/2025
 Supervised By : Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	396612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	643182	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	553166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268790	50.000	ug/l	0.00

07/08/2025

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	262361	50.072	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.140%	
35) Dibromofluoromethane	5.391	113	226966	51.986	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.980%	
50) Toluene-d8	8.647	98	769046	49.925	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.860%	
62) 4-Bromofluorobenzene	11.079	95	287405	49.092	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.180%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	207855	54.799	ug/l	100
3) Chloromethane	1.307	50	222911	53.790	ug/l	97
4) Vinyl Chloride	1.386	62	243204	53.891	ug/l	99
5) Bromomethane	1.624	94	157054	54.163	ug/l	97
6) Chloroethane	1.703	64	157076	52.711	ug/l	96
7) Trichlorofluoromethane	1.904	101	372251	53.347	ug/l	99
8) Diethyl Ether	2.142	74	132158	53.220	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	233480	52.510	ug/l	100
10) Methyl Iodide	2.465	142	263124	54.318	ug/l	99
11) Tert butyl alcohol	2.947	59	83325	242.476	ug/l	100
12) 1,1-Dichloroethene	2.337	96	223044	51.862	ug/l	95
13) Acrolein	2.246	56	110977	270.443	ug/l	100
14) Allyl chloride	2.678	41	398151	51.999	ug/l	100
15) Acrylonitrile	3.069	53	498177	250.742	ug/l	100
16) Acetone	2.380	43	492088	302.351	ug/l	97
17) Carbon Disulfide	2.526	76	554786	49.189	ug/l	99
18) Methyl Acetate	2.709	43	230941	53.835	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	634321	52.229	ug/l	99
20) Methylene Chloride	2.800	84	246500	51.219	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	222957	50.663	ug/l	99
22) Diisopropyl ether	3.764	45	786549	53.171	ug/l	99
23) Vinyl Acetate	3.727	43	2868912	258.870	ug/l	100
24) 1,1-Dichloroethane	3.617	63	431729	51.174	ug/l	99
25) 2-Butanone	4.550	43	566247	260.771	ug/l	98
26) 2,2-Dichloropropane	4.477	77	321312	51.175	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	268696	50.008	ug/l	99
28) Bromochloromethane	4.904	49	214259	51.459	ug/l	99
29) Tetrahydrofuran	5.001	42	345511	249.609	ug/l	98
30) Chloroform	5.099	83	423629	49.151	ug/l	99
31) Cyclohexane	5.477	56	363380	48.518	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	354714	49.260	ug/l	99
36) 1,1-Dichloropropene	5.696	75	284947	48.373	ug/l	99
37) Ethyl Acetate	4.715	43	227784	45.401	ug/l	98
38) Carbon Tetrachloride	5.684	117	311791	50.066	ug/l	98
39) Methylcyclohexane	7.379	83	348425	47.285	ug/l	100
40) Benzene	6.038	78	878530	49.308	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	144344	53.933	ug/l	97
42) 1,2-Dichloroethane	6.086	62	293735	48.551	ug/l	99
43) Isopropyl Acetate	6.336	43	380875	49.563	ug/l	100
44) Trichloroethene	7.123	130	219865	47.405	ug/l	97
45) 1,2-Dichloropropane	7.428	63	220727	49.034	ug/l	96
46) Dibromomethane	7.580	93	148957	47.759	ug/l	98
47) Bromodichloromethane	7.818	83	327349	49.154	ug/l	97
48) Methyl methacrylate	7.690	41	199616	50.307	ug/l	98
49) 1,4-Dioxane	7.653	88	43755	951.676	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	1089825	240.298	ug/l	100
52) Toluene	8.714	92	536575	48.599	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	296968	49.966	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	343258	50.598	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	196482	47.778	ug/l	99
56) Ethyl methacrylate	9.110	69	280917	49.354	ug/l	99
57) 1,3-Dichloropropane	9.305	76	337777	47.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	838174	261.352	ug/l	100
59) 2-Hexanone	9.427	43	761280	253.063	ug/l	99
60) Dibromochloromethane	9.519	129	238213	48.403	ug/l	100
61) 1,2-Dibromoethane	9.604	107	198998	48.182	ug/l	99
64) Tetrachloroethene	9.269	164	179991	48.871	ug/l	95
65) Chlorobenzene	10.073	112	586525	49.042	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	202957	50.481	ug/l	100
67) Ethyl Benzene	10.189	91	1026206	50.105	ug/l	100
68) m/p-Xylenes	10.299	106	767511	99.448	ug/l	100
69) o-Xylene	10.640	106	369615	49.579	ug/l	100
70) Styrene	10.653	104	646087	50.654	ug/l	99
71) Bromoform	10.799	173	148096	49.541	ug/l #	100
73) Isopropylbenzene	10.957	105	982676	52.007	ug/l	100
74) N-amyl acetate	10.842	43	333419	51.928	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	257166	49.496	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	211534m	50.933	ug/l	
77) Bromobenzene	11.195	156	235241	49.982	ug/l	98
78) n-propylbenzene	11.299	91	1162838	51.038	ug/l	100
79) 2-Chlorotoluene	11.360	91	679811	50.532	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	798568	52.013	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77431	50.030	ug/l	94
82) 4-Chlorotoluene	11.451	91	802891	51.717	ug/l	100
83) tert-Butylbenzene	11.713	119	811958	51.204	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	799603	51.526	ug/l	97
85) sec-Butylbenzene	11.890	105	1003795	50.207	ug/l	100
86) p-Isopropyltoluene	12.006	119	837507	50.022	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	440553	50.050	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	442550	48.309	ug/l	99
89) n-Butylbenzene	12.329	91	773909	49.195	ug/l	100
90) Hexachloroethane	12.536	117	148153	49.916	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	420436	49.290	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43169	47.504	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	282213	48.701	ug/l	99
94) Hexachlorobutadiene	13.719	225	99752	45.645	ug/l	99
95) Naphthalene	13.774	128	783703	51.324	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	270515	49.406	ug/l	100

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

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