

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080625\
 Data File : VX047238.D
 Acq On : 06 Aug 2025 11:11
 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 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 01:12:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	244612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	407012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	360114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	178040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137471	45.115	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.240%		
35) Dibromofluoromethane	5.391	113	123292	49.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.120%		
50) Toluene-d8	8.647	98	359747	44.204	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.400%#		
62) 4-Bromofluorobenzene	11.079	95	168176	47.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	180443	55.537	ug/l	100
3) Chloromethane	1.313	50	155890	48.505	ug/l	99
4) Vinyl Chloride	1.392	62	187819	54.364	ug/l	99
5) Bromomethane	1.630	94	88900	47.371	ug/l	97
6) Chloroethane	1.703	64	103025	45.404	ug/l	96
7) Trichlorofluoromethane	1.904	101	267639	51.953	ug/l	99
8) Diethyl Ether	2.142	74	87546	48.198	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	155220	50.011	ug/l	100
10) Methyl Iodide	2.471	142	254378	80.418	ug/l	97
11) Tert butyl alcohol	2.953	59	62567	172.460	ug/l	99
12) 1,1-Dichloroethene	2.337	96	151867	49.402	ug/l	99
13) Acrolein	2.246	56	146155	222.765	ug/l	99
14) Allyl chloride	2.678	41	258648	46.546	ug/l	94
15) Acrylonitrile	3.075	53	310167	213.431	ug/l	100
16) Acetone	2.386	43	358736	293.884	ug/l	94
17) Carbon Disulfide	2.526	76	441496	49.644	ug/l	98
18) Methyl Acetate	2.709	43	140339	43.262	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	450193	48.120	ug/l	100
20) Methylene Chloride	2.800	84	161363	48.051	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	157606	50.102	ug/l	95
22) Diisopropyl ether	3.764	45	532179	49.813	ug/l	93
23) Vinyl Acetate	3.727	43	2101687	245.270	ug/l	100
24) 1,1-Dichloroethane	3.617	63	292256	49.194	ug/l	98
25) 2-Butanone	4.556	43	408853	230.028	ug/l	98
26) 2,2-Dichloropropane	4.483	77	236188	51.359	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	183830	49.349	ug/l	99
28) Bromochloromethane	4.904	49	139638	51.090	ug/l	99
29) Tetrahydrofuran	5.013	42	224818	196.038	ug/l	96
30) Chloroform	5.099	83	292938	48.441	ug/l	97
31) Cyclohexane	5.477	56	277630	48.738	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	257045	48.936	ug/l	98
36) 1,1-Dichloropropene	5.696	75	207031	48.330	ug/l	99
37) Ethyl Acetate	4.715	43	167627	42.467	ug/l	99
38) Carbon Tetrachloride	5.684	117	225865	49.401	ug/l	99
39) Methylcyclohexane	7.379	83	262624	49.103	ug/l	98
40) Benzene	6.038	78	621217	50.110	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	86565	41.943	ug/l #	92
42) 1,2-Dichloroethane	6.086	62	214872	49.204	ug/l	99
43) Isopropyl Acetate	6.342	43	284866	46.293	ug/l	99
44) Trichloroethene	7.129	130	154660	48.651	ug/l	97
45) 1,2-Dichloropropane	7.428	63	154806	49.858	ug/l	98
46) Dibromomethane	7.580	93	107792	49.506	ug/l	100
47) Bromodichloromethane	7.818	83	227475	49.083	ug/l	96
48) Methyl methacrylate	7.690	41	148806	44.390	ug/l	99
49) 1,4-Dioxane	7.726	88	30358	796.220	ug/l #	75
51) 4-Methyl-2-Pentanone	8.568	43	786086	214.918	ug/l	100
52) Toluene	8.714	92	383834	50.354	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	222083	50.746	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	242058	50.535	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	136406	47.716	ug/l	98
56) Ethyl methacrylate	9.116	69	210652	49.776	ug/l	99
57) 1,3-Dichloropropane	9.305	76	239402	48.186	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	622861	264.485	ug/l	100
59) 2-Hexanone	9.427	43	561879	232.516	ug/l	100
60) Dibromochloromethane	9.519	129	166302	49.602	ug/l	100
61) 1,2-Dibromoethane	9.604	107	142279	47.599	ug/l	98
64) Tetrachloroethene	9.275	164	128142	49.361	ug/l	96
65) Chlorobenzene	10.073	112	417308	49.466	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	142094	50.028	ug/l	99
67) Ethyl Benzene	10.189	91	749954	50.843	ug/l	99
68) m/p-Xylenes	10.299	106	552695	100.127	ug/l	99
69) o-Xylene	10.640	106	267595	50.959	ug/l	100
70) Styrene	10.653	104	462763	51.392	ug/l	99
71) Bromoform	10.799	173	102069	47.307	ug/l #	99
73) Isopropylbenzene	10.957	105	698423	49.723	ug/l	100
74) N-amyl acetate	10.842	43	256097	45.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	182814	45.564	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	150333m	45.619	ug/l	
77) Bromobenzene	11.195	156	167171	49.619	ug/l	99
78) n-propylbenzene	11.299	91	831098	49.514	ug/l	99
79) 2-Chlorotoluene	11.360	91	495423	49.377	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	571452	49.245	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	45116	35.272	ug/l	98
82) 4-Chlorotoluene	11.451	91	576270	49.206	ug/l	99
83) tert-Butylbenzene	11.713	119	574875	49.357	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	579498	50.067	ug/l	100
85) sec-Butylbenzene	11.890	105	709837	48.777	ug/l	100
86) p-Isopropyltoluene	12.006	119	593575	49.185	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	310415	48.491	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	306748	47.297	ug/l	98
89) n-Butylbenzene	12.329	91	551822	48.758	ug/l	99
90) Hexachloroethane	12.536	117	105240	48.746	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	295536	48.304	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34611	44.940	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	192217	47.552	ug/l	99
94) Hexachlorobutadiene	13.719	225	72726	52.902	ug/l	97
95) Naphthalene	13.774	128	544470	45.946	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	181143	46.515	ug/l	99

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

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