

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046433.D
 Acq On : 02 Jun 2025 10:21
 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 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 01:24:36 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	5.538	168	91247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	155497	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85451	50.232	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.460%			
35) Dibromofluoromethane	5.373	113	61327	54.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	8.641	98	195030	50.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.640%			
62) 4-Bromofluorobenzene	11.079	95	78787	52.998	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.000%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	77464	55.466	ug/l	98
3) Chloromethane	1.301	50	74554	55.048	ug/l	100
4) Vinyl Chloride	1.374	62	66984	53.142	ug/l	98
5) Bromomethane	1.593	94	30570	52.289	ug/l	100
6) Chloroethane	1.666	64	37616	55.901	ug/l	97
7) Trichlorofluoromethane	1.874	101	103701	55.667	ug/l	98
8) Diethyl Ether	2.130	74	33785	53.276	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	65915	57.176	ug/l	98
10) Methyl Iodide	2.441	142	73271	53.713	ug/l	100
11) Tert butyl alcohol	2.971	59	59637	249.749	ug/l	98
12) 1,1-Dichloroethene	2.313	96	59329	54.835	ug/l	96
13) Acrolein	2.233	56	66811	245.681	ug/l	98
14) Allyl chloride	2.654	41	119395	57.739	ug/l	98
15) Acrylonitrile	3.062	53	187111	274.035	ug/l	97
16) Acetone	2.380	43	200383	293.784	ug/l	99
17) Carbon Disulfide	2.502	76	138713	54.077	ug/l	98
18) Methyl Acetate	2.703	43	108485	68.541	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	214715	56.604	ug/l	99
20) Methylene Chloride	2.782	84	69094	52.861	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	58817	54.056	ug/l	99
22) Diisopropyl ether	3.751	45	231216	57.886	ug/l	95
23) Vinyl Acetate	3.715	43	973152	277.004	ug/l	100
24) 1,1-Dichloroethane	3.599	63	125843	56.565	ug/l	99
25) 2-Butanone	4.550	43	275422	278.140	ug/l	99
26) 2,2-Dichloropropane	4.465	77	101430	58.249	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	73482	56.099	ug/l	99
28) Bromochloromethane	4.885	49	55689	52.003	ug/l	97
29) Tetrahydrofuran	4.995	42	168962	272.299	ug/l	98
30) Chloroform	5.080	83	129453	55.826	ug/l	94
31) Cyclohexane	5.452	56	107363	52.958	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	112877	56.155	ug/l	100
36) 1,1-Dichloropropene	5.678	75	83002	55.170	ug/l	100
37) Ethyl Acetate	4.702	43	99383	53.466	ug/l	98
38) Carbon Tetrachloride	5.666	117	97207	57.505	ug/l	99
39) Methylcyclohexane	7.373	83	105898	54.674	ug/l	96
40) Benzene	6.025	78	244897	55.573	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	59120	60.801	ug/l	99
42) 1,2-Dichloroethane	6.074	62	108654	57.128	ug/l	100
43) Isopropyl Acetate	6.330	43	162035	57.141	ug/l	100
44) Trichloroethene	7.117	130	59836	56.415	ug/l	96
45) 1,2-Dichloropropane	7.421	63	63844	58.264	ug/l	99
46) Dibromomethane	7.574	93	47985	55.522	ug/l	99
47) Bromodichloromethane	7.812	83	100801	59.218	ug/l	98
48) Methyl methacrylate	7.684	41	84209	58.147	ug/l	99
49) 1,4-Dioxane	7.659	88	27599	1003.685	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	530186	281.670	ug/l	99
52) Toluene	8.714	92	149019	55.148	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	91860	60.714	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	100502	60.100	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	59356	55.708	ug/l	94
56) Ethyl methacrylate	9.110	69	99397	58.533	ug/l	98
57) 1,3-Dichloropropane	9.305	76	106575	55.696	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.232	63	252779	291.982	ug/l	99
59) 2-Hexanone	9.427	43	396050	284.399	ug/l	99
60) Dibromochloromethane	9.519	129	71591	61.182	ug/l	99
61) 1,2-Dibromoethane	9.604	107	61454	55.494	ug/l	97
64) Tetrachloroethene	9.269	164	52575	55.041	ug/l	97
65) Chlorobenzene	10.073	112	161557	54.675	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	57243	56.732	ug/l	98
67) Ethyl Benzene	10.189	91	295609	56.753	ug/l	100
68) m/p-Xylenes	10.299	106	213932	112.298	ug/l	98
69) o-Xylene	10.640	106	105231	56.660	ug/l	96
70) Styrene	10.653	104	179298	58.934	ug/l	99
71) Bromoform	10.799	173	45872	60.554	ug/l #	98
73) Isopropylbenzene	10.957	105	284937	56.079	ug/l	99
74) N-amyl acetate	10.842	43	138998	55.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92506	51.953	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84321m	53.676	ug/l	
77) Bromobenzene	11.195	156	64394	54.589	ug/l	99
78) n-propylbenzene	11.299	91	333896	56.517	ug/l	99
79) 2-Chlorotoluene	11.360	91	204731	53.726	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	240907	56.753	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	27666	57.336	ug/l	97
82) 4-Chlorotoluene	11.451	91	237157	56.121	ug/l	99
83) tert-Butylbenzene	11.713	119	237222	55.481	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	242720	56.464	ug/l	100
85) sec-Butylbenzene	11.884	105	298169	56.795	ug/l	100
86) p-Isopropyltoluene	12.006	119	250970	57.915	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	118998	55.275	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	119255	54.241	ug/l	99
89) n-Butylbenzene	12.329	91	227998	59.982	ug/l	99
90) Hexachloroethane	12.536	117	45728	59.897	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	118663	54.927	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21979	55.720	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	70351	56.697	ug/l	99
94) Hexachlorobutadiene	13.719	225	31264	57.691	ug/l	97
95) Naphthalene	13.774	128	244681	53.765	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	71987	56.226	ug/l	100

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

