

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047427.D
 Acq On : 20 Aug 2025 09:25
 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 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:24:47 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	222102	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	369648	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	338607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165825	53.348	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.700%			
35) Dibromofluoromethane	5.391	113	131333	54.744	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.480%			
50) Toluene-d8	8.647	98	454952	53.057	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.120%			
62) 4-Bromofluorobenzene	11.079	95	171750	54.278	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	137479	48.557	ug/l	99
3) Chloromethane	1.307	50	116471	45.729	ug/l	96
4) Vinyl Chloride	1.392	62	149112	46.643	ug/l	98
5) Bromomethane	1.624	94	62138	48.121	ug/l	96
6) Chloroethane	1.703	64	86133	44.036	ug/l	100
7) Trichlorofluoromethane	1.904	101	222951	47.149	ug/l	100
8) Diethyl Ether	2.148	74	81534	48.968	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	137505	50.129	ug/l	99
10) Methyl Iodide	2.465	142	175616	37.360	ug/l	99
11) Tert butyl alcohol	2.959	59	77273	285.760	ug/l	98
12) 1,1-Dichloroethene	2.337	96	130124	46.532	ug/l	97
13) Acrolein	2.246	56	166950	292.470	ug/l	100
14) Allyl chloride	2.678	41	233998	48.177	ug/l	97
15) Acrylonitrile	3.075	53	345699	264.563	ug/l	100
16) Acetone	2.386	43	339865	290.885	ug/l	98
17) Carbon Disulfide	2.526	76	362926	43.008	ug/l	99
18) Methyl Acetate	2.709	43	168367	55.608	ug/l	99
19) Methyl tert-butyl Ether	3.124	73	426473	50.130	ug/l	99
20) Methylene Chloride	2.800	84	145340	46.976	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	138016	46.500	ug/l	99
22) Diisopropyl ether	3.764	45	479860	49.981	ug/l #	82
23) Vinyl Acetate	3.727	43	2003620	254.613	ug/l	100
24) 1,1-Dichloroethane	3.617	63	257251	47.405	ug/l	99
25) 2-Butanone	4.562	43	432361	282.551	ug/l	99
26) 2,2-Dichloropropane	4.483	77	196523	47.981	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	162834	47.103	ug/l	99
28) Bromochloromethane	4.904	49	118739	52.582	ug/l	98
29) Tetrahydrofuran	5.013	42	258151	261.014	ug/l	98
30) Chloroform	5.099	83	263954	47.660	ug/l	100
31) Cyclohexane	5.483	56	232913	46.560	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	225596	47.325	ug/l	99
36) 1,1-Dichloropropene	5.696	75	179428	47.379	ug/l	99
37) Ethyl Acetate	4.721	43	198822	50.571	ug/l	99
38) Carbon Tetrachloride	5.684	117	196495	47.480	ug/l	97
39) Methylcyclohexane	7.385	83	227398	48.139	ug/l	95
40) Benzene	6.044	78	548553	48.393	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	81393	49.094	ug/l	94
42) 1,2-Dichloroethane	6.093	62	199161	49.602	ug/l	99
43) Isopropyl Acetate	6.342	43	290517	51.437	ug/l	100
44) Trichloroethene	7.129	130	136195	46.924	ug/l	99
45) 1,2-Dichloropropane	7.428	63	139581	49.152	ug/l	100
46) Dibromomethane	7.580	93	101467	49.216	ug/l	99
47) Bromodichloromethane	7.818	83	213085	49.856	ug/l	99
48) Methyl methacrylate	7.690	41	149931	51.141	ug/l	99
49) 1,4-Dioxane	7.684	88	36343	1275.197	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	871077	268.005	ug/l	99
52) Toluene	8.714	92	343297	49.011	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	195614	52.441	ug/l	100
54) cis-1,3-Dichloropropene	8.367	75	214406	50.782	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	133399	50.160	ug/l	98
56) Ethyl methacrylate	9.116	69	204493	52.154	ug/l	99
57) 1,3-Dichloropropane	9.305	76	229079	50.551	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	484861	258.666	ug/l	99
59) 2-Hexanone	9.427	43	608467	270.640	ug/l	100
60) Dibromochloromethane	9.519	129	158872	50.268	ug/l	99
61) 1,2-Dibromoethane	9.610	107	136781	49.876	ug/l	99
64) Tetrachloroethene	9.269	164	113583	46.376	ug/l	96
65) Chlorobenzene	10.073	112	376977	46.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	129555	47.629	ug/l	100
67) Ethyl Benzene	10.189	91	656208	47.382	ug/l	99
68) m/p-Xylenes	10.299	106	499398	96.706	ug/l	100
69) o-Xylene	10.640	106	238178	47.927	ug/l	98
70) Styrene	10.653	104	412220	49.091	ug/l	100
71) Bromoform	10.799	173	102529	50.173	ug/l #	99
73) Isopropylbenzene	10.957	105	631147	48.683	ug/l	99
74) N-amyl acetate	10.842	43	252091	51.206	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	190203	49.970	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	154268m	50.771	ug/l	
77) Bromobenzene	11.195	156	151602	47.888	ug/l	99
78) n-propylbenzene	11.299	91	752772	48.618	ug/l	99
79) 2-Chlorotoluene	11.360	91	443648	47.399	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	516490	48.420	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32638	47.211	ug/l	99
82) 4-Chlorotoluene	11.451	91	524154	47.507	ug/l	100
83) tert-Butylbenzene	11.713	119	525854	49.413	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	521624	48.900	ug/l	99
85) sec-Butylbenzene	11.890	105	656494	49.771	ug/l	100
86) p-Isopropyltoluene	12.006	119	548635	49.153	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	285444	47.198	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	288167	46.327	ug/l	100
89) n-Butylbenzene	12.329	91	520953	50.180	ug/l	100
90) Hexachloroethane	12.536	117	96627	49.346	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	272826	47.527	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37072	50.361	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	185776	48.275	ug/l	98
94) Hexachlorobutadiene	13.719	225	70719	51.627	ug/l	98
95) Naphthalene	13.774	128	565526	51.423	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	176412	48.632	ug/l	100

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

