

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082625\
 Data File : VX047522.D
 Acq On : 26 Aug 2025 09:52
 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 08/27/2025
 Supervised By : Mahesh Dadoda 08/27/2025

Quant Time: Aug 27 01:26:47 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	207627	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	355546	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	321463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	157831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	153422	52.798	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.600%			
35) Dibromofluoromethane	5.391	113	123090	53.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.680%			
50) Toluene-d8	8.647	98	420260	50.955	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.900%			
62) 4-Bromofluorobenzene	11.079	95	161907	53.196	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	121868	46.044	ug/l	100
3) Chloromethane	1.313	50	105428	44.279	ug/l	96
4) Vinyl Chloride	1.392	62	138758	46.430	ug/l	99
5) Bromomethane	1.618	94	69424	57.512	ug/l	99
6) Chloroethane	1.703	64	82012	44.852	ug/l	91
7) Trichlorofluoromethane	1.904	101	208228	47.105	ug/l	99
8) Diethyl Ether	2.142	74	83625	53.726	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	128761	50.214	ug/l	99
10) Methyl Iodide	2.465	142	174767	39.771	ug/l	96
11) Tert butyl alcohol	2.959	59	82062	324.627	ug/l	100
12) 1,1-Dichloroethene	2.331	96	125436	47.983	ug/l	98
13) Acrolein	2.245	56	173067	324.323	ug/l	100
14) Allyl chloride	2.678	41	238692	52.569	ug/l	97
15) Acrylonitrile	3.075	53	352584	288.644	ug/l	99
16) Acetone	2.392	43	317172	290.387	ug/l	98
17) Carbon Disulfide	2.526	76	332339	42.129	ug/l	98
18) Methyl Acetate	2.709	43	183762	64.924	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	446093	56.092	ug/l	99
20) Methylene Chloride	2.800	84	148567	51.367	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	133981	48.288	ug/l	98
22) Diisopropyl ether	3.763	45	503462	56.095	ug/l	85
23) Vinyl Acetate	3.727	43	2036696	276.860	ug/l	100
24) 1,1-Dichloroethane	3.617	63	265361	52.308	ug/l	98
25) 2-Butanone	4.562	43	437385	305.762	ug/l	99
26) 2,2-Dichloropropane	4.483	77	199081	51.994	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	168119	52.023	ug/l	98
28) Bromochloromethane	4.904	49	127607	60.449	ug/l	99
29) Tetrahydrofuran	5.013	42	267249	289.051	ug/l	100
30) Chloroform	5.099	83	270835	52.312	ug/l	98
31) Cyclohexane	5.477	56	213624	45.681	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	225969	50.708	ug/l	100
36) 1,1-Dichloropropene	5.696	75	179595	49.304	ug/l	100
37) Ethyl Acetate	4.721	43	191543	50.652	ug/l	99
38) Carbon Tetrachloride	5.678	117	193413	48.589	ug/l	96
39) Methylcyclohexane	7.385	83	215502	47.430	ug/l	99
40) Benzene	6.044	78	554506	50.858	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	91956	57.665	ug/l	98
42) 1,2-Dichloroethane	6.086	62	205408	53.187	ug/l	99
43) Isopropyl Acetate	6.342	43	304394	56.031	ug/l	100
44) Trichloroethene	7.129	130	139090	49.822	ug/l	96
45) 1,2-Dichloropropane	7.427	63	146898	53.781	ug/l	99
46) Dibromomethane	7.580	93	105714	53.310	ug/l	98
47) Bromodichloromethane	7.818	83	221530	53.888	ug/l	100
48) Methyl methacrylate	7.690	41	156693	55.568	ug/l	99
49) 1,4-Dioxane	7.671	88	38668	1410.590	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	896001	286.608	ug/l	99
52) Toluene	8.714	92	343133	50.931	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	205492	57.274	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	226489	55.771	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	140317	54.854	ug/l	97
56) Ethyl methacrylate	9.116	69	216215	57.331	ug/l	99
57) 1,3-Dichloropropane	9.305	76	239990	55.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	486181	269.303	ug/l	98
59) 2-Hexanone	9.427	43	616335	285.013	ug/l	100
60) Dibromochloromethane	9.519	129	165103	54.311	ug/l	100
61) 1,2-Dibromoethane	9.610	107	142207	53.912	ug/l	100
64) Tetrachloroethene	9.275	164	111607	47.999	ug/l	95
65) Chlorobenzene	10.079	112	388135	50.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	137699	53.322	ug/l	100
67) Ethyl Benzene	10.189	91	666375	50.682	ug/l	100
68) m/p-Xylenes	10.299	106	499359	101.855	ug/l	98
69) o-Xylene	10.640	106	242809	51.464	ug/l	99
70) Styrene	10.653	104	429753	53.909	ug/l	99
71) Bromoform	10.799	173	108574	55.965	ug/l	100
73) Isopropylbenzene	10.957	105	638927	51.731	ug/l	99
74) N-amyl acetate	10.841	43	262752	56.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	199156	54.920	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	159503m	55.100	ug/l	
77) Bromobenzene	11.195	156	158874	52.677	ug/l	99
78) n-propylbenzene	11.299	91	767505	52.031	ug/l	100
79) 2-Chlorotoluene	11.360	91	453584	50.867	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	528829	52.038	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32211	48.625	ug/l	98
82) 4-Chlorotoluene	11.451	91	538306	51.212	ug/l	100
83) tert-Butylbenzene	11.713	119	537150	52.981	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	534183	52.564	ug/l	100
85) sec-Butylbenzene	11.884	105	662193	52.695	ug/l	100
86) p-Isopropyltoluene	12.006	119	561974	52.848	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	291599	50.610	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	295407	49.849	ug/l	99
89) n-Butylbenzene	12.329	91	527402	53.323	ug/l	100
90) Hexachloroethane	12.536	117	99799	53.497	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	284343	51.993	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39447	56.248	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	193397	52.750	ug/l	99
94) Hexachlorobutadiene	13.719	225	70487	54.012	ug/l	99
95) Naphthalene	13.774	128	588126	56.133	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	185929	53.801	ug/l	99

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

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