

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100825\
 Data File : VX048070.D
 Acq On : 08 Oct 2025 15:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2025
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 04:53:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.525	168	110159	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	207375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	180705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	87065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	111055	63.335	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery = 126.680%#			
35) Dibromofluoromethane	5.361	113	82228	59.124	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.240%			
50) Toluene-d8	8.628	98	234156	48.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.061	95	91253	49.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	43830	38.423	ug/l	100
3) Chloromethane	1.300	50	70039	46.717	ug/l	100
4) Vinyl Chloride	1.380	62	67196	45.787	ug/l	98
5) Bromomethane	1.611	94	42261	45.413	ug/l	97
6) Chloroethane	1.691	64	51471	52.475	ug/l	99
7) Trichlorofluoromethane	1.892	101	94211	43.235	ug/l	97
8) Diethyl Ether	2.130	74	54601	61.255	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	55937	43.902	ug/l	98
10) Methyl Iodide	2.453	142	75142	37.814	ug/l	99
11) Tert butyl alcohol	2.934	59	60355	309.056	ug/l	99
12) 1,1-Dichloroethene	2.319	96	60806	46.459	ug/l	99
13) Acrolein	2.233	56	29391	163.319	ug/l	98
14) Allyl chloride	2.660	41	128819	47.697	ug/l	97
15) Acrylonitrile	3.050	53	244708	338.294	ug/l	99
16) Acetone	2.373	43	197253	258.724	ug/l	98
17) Carbon Disulfide	2.514	76	145748	40.678	ug/l	98
18) Methyl Acetate	2.697	43	122400	72.139	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	301063	63.014	ug/l	97
20) Methylene Chloride	2.782	84	95369	59.095	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	70560	50.075	ug/l	98
22) Diisopropyl ether	3.745	45	325108	62.113	ug/l	93
23) Vinyl Acetate	3.709	43	1312052	313.205	ug/l	99
24) 1,1-Dichloroethane	3.599	63	160083	57.542	ug/l	100
25) 2-Butanone	4.526	43	292871	307.959	ug/l	96
26) 2,2-Dichloropropane	4.452	77	93380	40.380	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	96932	56.171	ug/l	96
28) Bromochloromethane	4.873	49	77953	64.184	ug/l	99
29) Tetrahydrofuran	4.977	42	175614	306.962	ug/l	99
30) Chloroform	5.068	83	169402	60.258	ug/l	96
31) Cyclohexane	5.452	56	81695	35.258	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	120837	50.675	ug/l	99
36) 1,1-Dichloropropene	5.672	75	80476	39.600	ug/l	99
37) Ethyl Acetate	4.690	43	125388	57.624	ug/l	99
38) Carbon Tetrachloride	5.653	117	93644	42.410	ug/l	96
39) Methylcyclohexane	7.360	83	76548	33.183	ug/l	98
40) Benzene	6.013	78	304971	49.408	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	68635	61.099	ug/l	99
42) 1,2-Dichloroethane	6.062	62	134548	57.290	ug/l	99
43) Isopropyl Acetate	6.318	43	206011	57.727	ug/l	100
44) Trichloroethene	7.104	130	66012	44.236	ug/l	100
45) 1,2-Dichloropropane	7.409	63	87509	55.367	ug/l	97
46) Dibromomethane	7.555	93	66512	57.829	ug/l	99
47) Bromodichloromethane	7.799	83	136283	57.421	ug/l	99
48) Methyl methacrylate	7.671	41	101441	57.066	ug/l	99
49) 1,4-Dioxane	7.641	88	26157	1456.028	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	601771	304.133	ug/l	99
52) Toluene	8.695	92	175190	46.068	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	125530	51.853	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	133483	51.586	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	86262	58.828	ug/l	98
56) Ethyl methacrylate	9.098	69	134264	58.303	ug/l	97
57) 1,3-Dichloropropane	9.287	76	147189	58.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	324737	291.921	ug/l	99
59) 2-Hexanone	9.409	43	414700	291.823	ug/l	100
60) Dibromochloromethane	9.500	129	100891	59.714	ug/l	99
61) 1,2-Dibromoethane	9.592	107	87142	58.345	ug/l	98
64) Tetrachloroethene	9.256	164	50590	42.945	ug/l	94
65) Chlorobenzene	10.061	112	197162	48.027	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	77342	54.596	ug/l	98
67) Ethyl Benzene	10.177	91	308555	43.561	ug/l	100
68) m/p-Xylenes	10.281	106	232566	88.211	ug/l	99
69) o-Xylene	10.622	106	116438	45.660	ug/l	100
70) Styrene	10.634	104	210927	47.206	ug/l	98
71) Bromoform	10.780	173	64952	61.404	ug/l #	100
73) Isopropylbenzene	10.945	105	283903	42.891	ug/l	100
74) N-amyl acetate	10.823	43	167576	55.517	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	122015	60.927	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	98681m	55.980	ug/l	
77) Bromobenzene	11.177	156	78897	48.395	ug/l	97
78) n-propylbenzene	11.286	91	329760	42.143	ug/l	100
79) 2-Chlorotoluene	11.341	91	213334	44.514	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	235616	43.326	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	32992	47.728	ug/l	100
82) 4-Chlorotoluene	11.433	91	248688	43.936	ug/l	99
83) tert-Butylbenzene	11.695	119	236080	42.407	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	241765	43.849	ug/l	100
85) sec-Butylbenzene	11.872	105	276441	41.806	ug/l	100
86) p-Isopropyltoluene	11.988	119	230331	41.144	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	136339	45.025	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	137478	44.236	ug/l	98
89) n-Butylbenzene	12.311	91	211540	40.838	ug/l	98
90) Hexachloroethane	12.518	117	44459	45.234	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	139244	48.267	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	23402	57.717	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	81512	43.475	ug/l	99
94) Hexachlorobutadiene	13.707	225	24429	38.359	ug/l	99
95) Naphthalene	13.756	128	289868	50.772	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	79940	45.835	ug/l	98

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

