

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048009.D
 Acq On : 06 Oct 2025 08:54
 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 10/07/2025
 Supervised By : Mahesh Dadoda 10/07/2025

Quant Time: Oct 07 02:05:22 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	5.532	168	169040	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	276640	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	117957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	120862	44.919	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.840%		
35) Dibromofluoromethane	5.367	113	97393	52.494	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.980%		
50) Toluene-d8	8.629	98	322232	50.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.380%		
62) 4-Bromofluorobenzene	11.061	95	117851	48.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	102188	58.379	ug/l	100
3) Chloromethane	1.301	50	107487	46.722	ug/l	99
4) Vinyl Chloride	1.380	62	116812	51.871	ug/l	100
5) Bromomethane	1.612	94	71155	49.828	ug/l	97
6) Chloroethane	1.691	64	75094	49.891	ug/l	100
7) Trichlorofluoromethane	1.892	101	184667	55.228	ug/l	100
8) Diethyl Ether	2.130	74	65241	47.697	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	111026	56.786	ug/l	99
10) Methyl Iodide	2.453	142	131030	42.971	ug/l	98
11) Tert butyl alcohol	2.941	59	59488	198.511	ug/l	99
12) 1,1-Dichloroethene	2.319	96	101569	50.573	ug/l	99
13) Acrolein	2.233	56	73448	265.969	ug/l	99
14) Allyl chloride	2.660	41	186517	45.005	ug/l	98
15) Acrylonitrile	3.050	53	265215	238.932	ug/l	99
16) Acetone	2.368	43	288946	246.979	ug/l	100
17) Carbon Disulfide	2.514	76	256423	46.638	ug/l	99
18) Methyl Acetate	2.697	43	134266	51.568	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	345346	47.105	ug/l	99
20) Methylene Chloride	2.782	84	117793	47.566	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	105309	48.703	ug/l	97
22) Diisopropyl ether	3.745	45	389459	48.489	ug/l	94
23) Vinyl Acetate	3.709	43	1501578	233.591	ug/l	99
24) 1,1-Dichloroethane	3.599	63	211216	49.477	ug/l	98
25) 2-Butanone	4.526	43	334930	229.510	ug/l	96
26) 2,2-Dichloropropane	4.459	77	177527	50.027	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	126753	47.867	ug/l	99
28) Bromochloromethane	4.873	49	92864	49.828	ug/l	99
29) Tetrahydrofuran	4.977	42	186717	212.686	ug/l	99
30) Chloroform	5.068	83	211869	49.113	ug/l	99
31) Cyclohexane	5.452	56	162560	45.720	ug/l	97
32) 1,1,1-Trichloroethane	5.355	97	184962	50.548	ug/l	99
36) 1,1-Dichloropropene	5.672	75	135311	49.911	ug/l	99
37) Ethyl Acetate	4.690	43	131315	45.238	ug/l	99
38) Carbon Tetrachloride	5.654	117	158503	53.810	ug/l	98
39) Methylcyclohexane	7.361	83	155729	50.604	ug/l	98
40) Benzene	6.013	78	413003	50.158	ug/l	99

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41) Methacrylonitrile	4.898	41	74863	49.957	ug/l	98
42) 1,2-Dichloroethane	6.062	62	153262	48.919	ug/l	98
43) Isopropyl Acetate	6.312	43	222292	46.693	ug/l	100
44) Trichloroethene	7.104	130	101790	51.133	ug/l	94
45) 1,2-Dichloropropane	7.409	63	109279	51.829	ug/l	99
46) Dibromomethane	7.562	93	76086	49.590	ug/l	99
47) Bromodichloromethane	7.799	83	167889	53.026	ug/l	99
48) Methyl methacrylate	7.671	41	108787	45.876	ug/l	98
49) 1,4-Dioxane	7.641	88	27008	1126.978	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	631502	239.248	ug/l	99
52) Toluene	8.702	92	251838	49.643	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	159240	49.308	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	173552	50.278	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	98329	50.267	ug/l	99
56) Ethyl methacrylate	9.098	69	146299	47.623	ug/l	99
57) 1,3-Dichloropropane	9.287	76	167707	49.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	384363	261.089	ug/l	99
59) 2-Hexanone	9.409	43	441826	233.065	ug/l	99
60) Dibromochloromethane	9.500	129	120589	53.502	ug/l	99
61) 1,2-Dibromoethane	9.592	107	100772	50.578	ug/l	97
64) Tetrachloroethene	9.257	164	79177	50.617	ug/l	96
65) Chlorobenzene	10.061	112	276694	50.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	100969	53.676	ug/l	100
67) Ethyl Benzene	10.177	91	477713	50.790	ug/l	99
68) m/p-Xylenes	10.281	106	357562	102.135	ug/l	100
69) o-Xylene	10.622	106	170862	50.459	ug/l	99
70) Styrene	10.634	104	299383	50.459	ug/l	99
71) Bromoform	10.781	173	75006	53.401	ug/l #	99
73) Isopropylbenzene	10.945	105	451831	50.384	ug/l	99
74) N-amyl acetate	10.823	43	185898	45.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	133407	49.169	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	108038m	45.237	ug/l	
77) Bromobenzene	11.177	156	108171	48.975	ug/l	98
78) n-propylbenzene	11.287	91	538617	50.808	ug/l	100
79) 2-Chlorotoluene	11.348	91	320546	49.368	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	371973	50.486	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	42487	45.367	ug/l	98
82) 4-Chlorotoluene	11.433	91	378575	49.367	ug/l	100
83) tert-Butylbenzene	11.695	119	374448	49.646	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	368716	49.361	ug/l	99
85) sec-Butylbenzene	11.872	105	456705	50.978	ug/l	100
86) p-Isopropyltoluene	11.988	119	381535	50.304	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	199939	48.736	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	200253	47.560	ug/l	99
89) n-Butylbenzene	12.311	91	357046	50.876	ug/l	99
90) Hexachloroethane	12.518	117	71652	53.809	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	192479	49.247	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25544	46.501	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	119265	46.952	ug/l	98
94) Hexachlorobutadiene	13.707	225	41507	48.107	ug/l	99
95) Naphthalene	13.756	128	346829	44.839	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	111480	47.179	ug/l	100

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

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