

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100625\
 Data File : VX048034.D
 Acq On : 06 Oct 2025 18:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/07/2025
 Supervised By : Mahesh Dadoda 10/07/2025

Quant Time: Oct 07 02:23:06 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	5.544	168	120107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	214786	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	196703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	104173	54.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.980%			
35) Dibromofluoromethane	5.373	113	80483	55.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.740%			
50) Toluene-d8	8.635	98	268474	53.864	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.720%			
62) 4-Bromofluorobenzene	11.061	95	102723	54.304	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	59484	47.827	ug/l	99
3) Chloromethane	1.301	50	71245	43.586	ug/l	99
4) Vinyl Chloride	1.380	62	77335	48.332	ug/l	99
5) Bromomethane	1.618	94	49751	49.033	ug/l	99
6) Chloroethane	1.697	64	52868	49.435	ug/l	97
7) Trichlorofluoromethane	1.898	101	120836	50.861	ug/l	99
8) Diethyl Ether	2.136	74	50733	52.201	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	72427	52.136	ug/l	99
10) Methyl Iodide	2.459	142	99114	45.746	ug/l	99
11) Tert butyl alcohol	2.941	59	53311	250.376	ug/l	100
12) 1,1-Dichloroethene	2.325	96	70987	49.746	ug/l	96
13) Acrolein	2.239	56	54757	279.070	ug/l	99
14) Allyl chloride	2.666	41	142678	48.453	ug/l	97
15) Acrylonitrile	3.056	53	229571	291.082	ug/l	99
16) Acetone	2.374	43	177812	213.907	ug/l	100
17) Carbon Disulfide	2.520	76	167151	42.787	ug/l	97
18) Methyl Acetate	2.703	43	111525	60.285	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	287290	55.151	ug/l	99
20) Methylene Chloride	2.788	84	92085	52.334	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	78419	51.043	ug/l	97
22) Diisopropyl ether	3.751	45	312844	54.819	ug/l	86
23) Vinyl Acetate	3.715	43	1250847	273.863	ug/l	99
24) 1,1-Dichloroethane	3.611	63	163229	53.814	ug/l	98
25) 2-Butanone	4.544	43	275747	265.937	ug/l	98
26) 2,2-Dichloropropane	4.465	77	117156	46.465	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	101015	53.689	ug/l	97
28) Bromochloromethane	4.891	49	72626	54.845	ug/l	99
29) Tetrahydrofuran	4.995	42	168892	270.761	ug/l	98
30) Chloroform	5.080	83	174067	56.789	ug/l	100
31) Cyclohexane	5.458	56	113611	44.971	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	141004	54.234	ug/l	100
36) 1,1-Dichloropropene	5.684	75	101974	48.447	ug/l	98
37) Ethyl Acetate	4.702	43	117495	52.134	ug/l	99
38) Carbon Tetrachloride	5.672	117	116682	51.020	ug/l	96
39) Methylcyclohexane	7.367	83	107516	44.999	ug/l	99
40) Benzene	6.025	78	337311	52.762	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	68377	58.769	ug/l	95
42) 1,2-Dichloroethane	6.074	62	129986	53.438	ug/l	99
43) Isopropyl Acetate	6.324	43	201753	54.583	ug/l	100
44) Trichloroethene	7.111	130	82380	53.300	ug/l	91
45) 1,2-Dichloropropane	7.415	63	91942	56.165	ug/l	99
46) Dibromomethane	7.568	93	66310	55.664	ug/l	99
47) Bromodichloromethane	7.806	83	140382	57.107	ug/l	96
48) Methyl methacrylate	7.678	41	101419	55.085	ug/l	99
49) 1,4-Dioxane	7.647	88	23126	1242.890	ug/l	96
51) 4-Methyl-2-Pentanone	8.562	43	599550	292.556	ug/l	99
52) Toluene	8.708	92	209062	53.078	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	137350	54.777	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	146537	54.677	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	88324	58.156	ug/l	99
56) Ethyl methacrylate	9.104	69	137208	57.526	ug/l	96
57) 1,3-Dichloropropane	9.293	76	152322	58.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	352793	305.212	ug/l	100
59) 2-Hexanone	9.415	43	414513	281.627	ug/l	99
60) Dibromochloromethane	9.506	129	104314	59.610	ug/l	99
61) 1,2-Dibromoethane	9.592	107	90269	58.354	ug/l	99
64) Tetrachloroethene	9.257	164	63121	49.225	ug/l	98
65) Chlorobenzene	10.061	112	238969	53.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	87101	56.485	ug/l	99
67) Ethyl Benzene	10.177	91	406738	52.752	ug/l	98
68) m/p-Xylenes	10.287	106	300738	104.791	ug/l	100
69) o-Xylene	10.628	106	149106	53.715	ug/l	98
70) Styrene	10.640	104	265941	54.677	ug/l	98
71) Bromoform	10.781	173	67592	58.703	ug/l #	97
73) Isopropylbenzene	10.945	105	379741	50.587	ug/l	99
74) N-amyl acetate	10.829	43	180501	52.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	127033	55.933	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	96984m	48.512	ug/l	
77) Bromobenzene	11.183	156	95438	51.620	ug/l	98
78) n-propylbenzene	11.287	91	446831	50.353	ug/l	100
79) 2-Chlorotoluene	11.348	91	276326	50.841	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	312057	50.597	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	37969	48.434	ug/l	99
82) 4-Chlorotoluene	11.439	91	327743	51.057	ug/l	100
83) tert-Butylbenzene	11.695	119	317811	50.338	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	316019	50.540	ug/l	100
85) sec-Butylbenzene	11.872	105	376564	50.214	ug/l	100
86) p-Isopropyltoluene	11.994	119	311223	49.021	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	177041	51.554	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	176809	50.165	ug/l	99
89) n-Butylbenzene	12.311	91	287592	48.955	ug/l	100
90) Hexachloroethane	12.518	117	58760	52.716	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	172102	52.603	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	24334	52.920	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	105172	49.462	ug/l	99
94) Hexachlorobutadiene	13.707	225	35140	48.654	ug/l	98
95) Naphthalene	13.756	128	337831	52.177	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	102344	51.743	ug/l	97

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

