

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048036.D
 Acq On : 07 Oct 2025 08:44
 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 10/08/2025
 Supervised By :Mahesh Dadoda 10/09/2025

Quant Time: Oct 08 01:19:09 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	144874	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	6.739	114	249421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	221582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	111843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	119376	51.767	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.540%			
35) Dibromofluoromethane	5.367	113	92307	55.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.360%			
50) Toluene-d8	8.629	98	301424	52.077	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.160%			
62) 4-Bromofluorobenzene	11.061	95	113589	51.710	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	79130	52.747	ug/l	98
3) Chloromethane	1.301	50	88508	44.890	ug/l	98
4) Vinyl Chloride	1.380	62	96092	49.787	ug/l	98
5) Bromomethane	1.611	94	62003	50.662	ug/l	96
6) Chloroethane	1.691	64	65414	50.710	ug/l	96
7) Trichlorofluoromethane	1.892	101	152189	53.107	ug/l	99
8) Diethyl Ether	2.136	74	61416	52.390	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	89335	53.313	ug/l	99
10) Methyl Iodide	2.453	142	99791	38.185	ug/l	99
11) Tert butyl alcohol	2.941	59	62226	242.285	ug/l	99
12) 1,1-Dichloroethene	2.319	96	83679	48.615	ug/l	91
13) Acrolein	2.233	56	91375	386.081	ug/l	99
14) Allyl chloride	2.660	41	170712	48.063	ug/l	99
15) Acrylonitrile	3.050	53	266783	280.436	ug/l	100
16) Acetone	2.374	43	285624	284.864	ug/l	99
17) Carbon Disulfide	2.514	76	207498	44.035	ug/l	97
18) Methyl Acetate	2.697	43	131387	58.880	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	334899	53.299	ug/l	99
20) Methylene Chloride	2.782	84	108913	51.316	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	94206	50.836	ug/l	95
22) Diisopropyl ether	3.745	45	369014	53.608	ug/l	89
23) Vinyl Acetate	3.709	43	1453241	263.781	ug/l	100
24) 1,1-Dichloroethane	3.599	63	194754	53.230	ug/l	98
25) 2-Butanone	4.532	43	340883	272.553	ug/l	97
26) 2,2-Dichloropropane	4.459	77	155153	51.015	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	116337	51.262	ug/l	99
28) Bromochloromethane	4.879	49	87119	54.543	ug/l	100
29) Tetrahydrofuran	4.977	42	192838	256.299	ug/l	99
30) Chloroform	5.074	83	199677	54.008	ug/l	100
31) Cyclohexane	5.452	56	131642	43.201	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	162960	51.964	ug/l	99
36) 1,1-Dichloropropene	5.678	75	118531	48.493	ug/l	99
37) Ethyl Acetate	4.690	43	133383	50.965	ug/l	100
38) Carbon Tetrachloride	5.660	117	136716	51.479	ug/l	97
39) Methylcyclohexane	7.360	83	120553	43.449	ug/l	99
40) Benzene	6.019	78	382289	51.494	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	75564	55.927	ug/l	98
42) 1,2-Dichloroethane	6.062	62	148680	52.636	ug/l	99
43) Isopropyl Acetate	6.318	43	220800	51.441	ug/l	100
44) Trichloroethene	7.104	130	90735	50.553	ug/l	98
45) 1,2-Dichloropropane	7.409	63	103116	54.243	ug/l	99
46) Dibromomethane	7.562	93	73573	53.185	ug/l	98
47) Bromodichloromethane	7.799	83	159351	55.822	ug/l	95
48) Methyl methacrylate	7.671	41	111256	52.037	ug/l	99
49) 1,4-Dioxane	7.641	88	27557	1275.373	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	652310	274.101	ug/l	99
52) Toluene	8.702	92	230680	50.434	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	153449	52.700	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	165312	53.117	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	97654	55.370	ug/l	98
56) Ethyl methacrylate	9.098	69	146348	52.838	ug/l	97
57) 1,3-Dichloropropane	9.293	76	165096	54.493	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	402658	300.331	ug/l	99
59) 2-Hexanone	9.415	43	462045	270.329	ug/l	99
60) Dibromochloromethane	9.500	129	115777	56.973	ug/l	100
61) 1,2-Dibromoethane	9.592	107	98523	54.845	ug/l	99
64) Tetrachloroethene	9.256	164	68797	47.627	ug/l	97
65) Chlorobenzene	10.061	112	259405	51.531	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	96038	55.287	ug/l	100
67) Ethyl Benzene	10.177	91	435964	50.194	ug/l	100
68) m/p-Xylenes	10.281	106	327205	101.212	ug/l	99
69) o-Xylene	10.622	106	160494	51.326	ug/l	98
70) Styrene	10.634	104	288494	52.654	ug/l	98
71) Bromoform	10.781	173	73218	56.449	ug/l #	98
73) Isopropylbenzene	10.945	105	407771	47.956	ug/l	99
74) N-amyl acetate	10.823	43	186849	48.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	135601	52.710	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	108019m	47.702	ug/l	
77) Bromobenzene	11.177	156	102629	49.005	ug/l	97
78) n-propylbenzene	11.287	91	487644	48.514	ug/l	100
79) 2-Chlorotoluene	11.348	91	297829	48.377	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	336667	48.192	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	42385	47.732	ug/l	99
82) 4-Chlorotoluene	11.433	91	352626	48.497	ug/l	100
83) tert-Butylbenzene	11.695	119	345687	48.338	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	343705	48.528	ug/l	99
85) sec-Butylbenzene	11.872	105	405364	47.721	ug/l	100
86) p-Isopropyltoluene	11.988	119	335172	46.607	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	187647	48.240	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	192529	48.225	ug/l	100
89) n-Butylbenzene	12.311	91	305033	45.841	ug/l	99
90) Hexachloroethane	12.518	117	63234	50.083	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	184237	49.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	25663	49.271	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	108674	45.121	ug/l	98
94) Hexachlorobutadiene	13.707	225	34910	42.673	ug/l	98
95) Naphthalene	13.756	128	341994	46.631	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	105507	47.092	ug/l	98

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

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