

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092925\
 Data File : VX047868.D
 Acq On : 29 Sep 2025 08:59
 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 09/30/2025
 Supervised By : Mahesh Dadoda 10/03/2025

Quant Time: Sep 30 01:13:30 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	5.531	168	185893	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	309770	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	268975	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	129970	43.924	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.840%		
35) Dibromofluoromethane	5.367	113	101837	49.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.040%		
50) Toluene-d8	8.634	98	346572	48.212	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.420%		
62) 4-Bromofluorobenzene	11.061	95	126953	46.534	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	116708	60.629	ug/l	99
3) Chloromethane	1.300	50	125447	49.585	ug/l	99
4) Vinyl Chloride	1.380	62	135629	54.766	ug/l	98
5) Bromomethane	1.611	94	86419	55.030	ug/l	100
6) Chloroethane	1.691	64	84945	51.320	ug/l	99
7) Trichlorofluoromethane	1.892	101	199222	54.179	ug/l	99
8) Diethyl Ether	2.130	74	74991	49.855	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	119693	55.668	ug/l	99
10) Methyl Iodide	2.453	142	137605	41.036	ug/l	99
11) Tert butyl alcohol	2.946	59	87534	265.618	ug/l	100
12) 1,1-Dichloroethene	2.319	96	116491	52.744	ug/l	95
13) Acrolein	2.233	56	79028	260.231	ug/l	98
14) Allyl chloride	2.660	41	218958	48.043	ug/l	98
15) Acrylonitrile	3.056	53	338725	277.492	ug/l	99
16) Acetone	2.373	43	361134	280.697	ug/l	96
17) Carbon Disulfide	2.514	76	309661	51.215	ug/l	98
18) Methyl Acetate	2.696	43	163451	57.086	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	392389	48.669	ug/l	98
20) Methylene Chloride	2.782	84	131286	48.208	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	121835	51.238	ug/l	95
22) Diisopropyl ether	3.745	45	425099	48.128	ug/l #	80
23) Vinyl Acetate	3.709	43	1764450	249.599	ug/l	99
24) 1,1-Dichloroethane	3.599	63	231350	49.280	ug/l	99
25) 2-Butanone	4.532	43	448655	279.567	ug/l	99
26) 2,2-Dichloropropane	4.464	77	189672	48.604	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	142090	48.794	ug/l	98
28) Bromochloromethane	4.879	49	93704	45.720	ug/l	97
29) Tetrahydrofuran	4.983	42	264898	274.385	ug/l	99
30) Chloroform	5.074	83	231088	48.711	ug/l	99
31) Cyclohexane	5.452	56	184690	47.235	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	200353	49.790	ug/l	99
36) 1,1-Dichloropropene	5.672	75	151572	49.930	ug/l	98
37) Ethyl Acetate	4.696	43	173745	53.454	ug/l	99
38) Carbon Tetrachloride	5.659	117	173335	52.552	ug/l	97
39) Methylcyclohexane	7.366	83	179843	52.190	ug/l	96
40) Benzene	6.019	78	469430	50.913	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	92805	55.306	ug/l	99
42) 1,2-Dichloroethane	6.068	62	169122	48.208	ug/l	98
43) Isopropyl Acetate	6.318	43	275987	51.772	ug/l	99
44) Trichloroethene	7.104	130	116728	52.365	ug/l	97
45) 1,2-Dichloropropane	7.409	63	121849	51.610	ug/l	100
46) Dibromomethane	7.561	93	86727	50.480	ug/l	98
47) Bromodichloromethane	7.805	83	182124	51.370	ug/l	99
48) Methyl methacrylate	7.677	41	138099	52.008	ug/l	97
49) 1,4-Dioxane	7.641	88	36057	1343.657	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	831427	281.303	ug/l	99
52) Toluene	8.702	92	285361	50.235	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	177961	49.211	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	192314	49.755	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	111620	50.959	ug/l	98
56) Ethyl methacrylate	9.098	69	180325	52.421	ug/l	97
57) 1,3-Dichloropropane	9.293	76	190862	50.725	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	478951	288.479	ug/l	99
59) 2-Hexanone	9.415	43	603746	284.417	ug/l	98
60) Dibromochloromethane	9.506	129	133727	52.986	ug/l	100
61) 1,2-Dibromoethane	9.592	107	116932	52.412	ug/l	100
64) Tetrachloroethene	9.256	164	90723	51.740	ug/l	98
65) Chlorobenzene	10.061	112	311914	51.045	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	109941	52.139	ug/l	100
67) Ethyl Benzene	10.177	91	541862	51.394	ug/l	99
68) m/p-Xylenes	10.287	106	409378	104.318	ug/l	97
69) o-Xylene	10.622	106	192409	50.691	ug/l	99
70) Styrene	10.640	104	339311	51.017	ug/l	99
71) Bromoform	10.780	173	88291	56.076	ug/l #	97
73) Isopropylbenzene	10.945	105	509330	50.948	ug/l	100
74) N-amyl acetate	10.823	43	233722	51.268	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	162045	53.575	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	129326m	48.576	ug/l	
77) Bromobenzene	11.183	156	123612	50.204	ug/l	95
78) n-propylbenzene	11.286	91	604446	51.147	ug/l	99
79) 2-Chlorotoluene	11.347	91	354495	48.976	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	414443	50.459	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	52874	50.645	ug/l	97
82) 4-Chlorotoluene	11.439	91	419046	49.019	ug/l	98
83) tert-Butylbenzene	11.695	119	427258	50.816	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	417985	50.196	ug/l	98
85) sec-Butylbenzene	11.872	105	512347	51.301	ug/l	100
86) p-Isopropyltoluene	11.988	119	430271	50.890	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	228315	49.923	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	229920	48.983	ug/l	99
89) n-Butylbenzene	12.317	91	402968	51.508	ug/l	99
90) Hexachloroethane	12.518	117	78523	52.897	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	218366	50.118	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33228	54.261	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	138822	49.024	ug/l	98
94) Hexachlorobutadiene	13.707	225	48414	50.335	ug/l	99
95) Naphthalene	13.756	128	447951	51.950	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	132359	50.248	ug/l	100

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

