

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082025\
 Data File : VX047453.D
 Acq On : 20 Aug 2025 19:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/21/2025
 Supervised By : Mahesh Dadoda 08/22/2025

Quant Time: Aug 21 01:38:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	219510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	397450	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	178130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	169837	55.283	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.560%			
35) Dibromofluoromethane	5.403	113	130938	50.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.520%			
50) Toluene-d8	8.653	98	453029	49.137	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.280%			
62) 4-Bromofluorobenzene	11.079	95	174471	51.281	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	124163	44.372	ug/l	99
3) Chloromethane	1.312	50	118789	47.189	ug/l	100
4) Vinyl Chloride	1.392	62	146404	46.337	ug/l	99
5) Bromomethane	1.623	94	44398	34.789	ug/l	98
6) Chloroethane	1.703	64	92359	47.777	ug/l	100
7) Trichlorofluoromethane	1.904	101	210004	44.935	ug/l	98
8) Diethyl Ether	2.148	74	86525	52.580	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	122337	45.126	ug/l	99
10) Methyl Iodide	2.471	142	128119	27.577	ug/l	98
11) Tert butyl alcohol	2.965	59	90515	338.682	ug/l	99
12) 1,1-Dichloroethene	2.337	96	129789	46.960	ug/l	99
13) Acrolein	2.251	56	165995	294.230	ug/l	99
14) Allyl chloride	2.684	41	238562	49.697	ug/l	98
15) Acrylonitrile	3.086	53	371314	287.522	ug/l	100
16) Acetone	2.391	43	297957	258.028	ug/l	100
17) Carbon Disulfide	2.532	76	351042	42.091	ug/l	100
18) Methyl Acetate	2.715	43	188724	63.067	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	460381	54.755	ug/l	98
20) Methylene Chloride	2.806	84	154803	50.626	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	141639	48.285	ug/l	97
22) Diisopropyl ether	3.775	45	514249	54.195	ug/l	95
23) Vinyl Acetate	3.739	43	2139175	275.048	ug/l	100
24) 1,1-Dichloroethane	3.623	63	271347	50.593	ug/l	97
25) 2-Butanone	4.574	43	465244	307.630	ug/l	99
26) 2,2-Dichloropropane	4.489	77	168046	41.513	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	173414	50.756	ug/l	98
28) Bromochloromethane	4.915	49	130876	58.641	ug/l	100
29) Tetrahydrofuran	5.025	42	289688	296.359	ug/l	100
30) Chloroform	5.111	83	277931	50.776	ug/l	96
31) Cyclohexane	5.488	56	219086	44.313	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	226085	47.987	ug/l	99
36) 1,1-Dichloropropene	5.708	75	183283	45.011	ug/l	99
37) Ethyl Acetate	4.733	43	210658	49.833	ug/l	99
38) Carbon Tetrachloride	5.690	117	190198	42.744	ug/l	99
39) Methylcyclohexane	7.391	83	204976	40.357	ug/l	97
40) Benzene	6.049	78	575192	47.193	ug/l	100

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41) Methacrylonitrile	4.940	41	95846	53.767	ug/l	98
42) 1,2-Dichloroethane	6.098	62	211130	48.905	ug/l	100
43) Isopropyl Acetate	6.348	43	329536	54.264	ug/l	99
44) Trichloroethene	7.135	130	141897	45.468	ug/l	99
45) 1,2-Dichloropropane	7.439	63	149101	48.832	ug/l	99
46) Dibromomethane	7.586	93	108227	48.823	ug/l	98
47) Bromodichloromethane	7.830	83	219351	47.732	ug/l	96
48) Methyl methacrylate	7.695	41	167405	53.107	ug/l	99
49) 1,4-Dioxane	7.683	88	37678	1229.562	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	972174	278.187	ug/l	98
52) Toluene	8.720	92	354651	47.090	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	198566	49.509	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	219408	48.331	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	142557	49.854	ug/l	98
56) Ethyl methacrylate	9.116	69	227071	53.861	ug/l	99
57) 1,3-Dichloropropane	9.311	76	242512	49.771	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	517470	256.814	ug/l	99
59) 2-Hexanone	9.433	43	664708	274.974	ug/l	99
60) Dibromochloromethane	9.518	129	163031	47.975	ug/l	99
61) 1,2-Dibromoethane	9.610	107	145018	49.181	ug/l	99
64) Tetrachloroethene	9.274	164	114609	43.671	ug/l	98
65) Chlorobenzene	10.079	112	395517	45.872	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	134787	46.245	ug/l	100
67) Ethyl Benzene	10.195	91	682262	45.975	ug/l	99
68) m/p-Xylenes	10.299	106	505624	91.376	ug/l	98
69) o-Xylene	10.640	106	248628	46.690	ug/l	100
70) Styrene	10.652	104	435716	48.426	ug/l	100
71) Bromoform	10.799	173	105843	48.338	ug/l #	99
73) Isopropylbenzene	10.963	105	635537	45.592	ug/l	99
74) N-amyl acetate	10.841	43	274391	51.837	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	204727	50.022	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	163610m	50.078	ug/l	
77) Bromobenzene	11.195	156	158725	46.630	ug/l	99
78) n-propylbenzene	11.305	91	748109	44.937	ug/l	99
79) 2-Chlorotoluene	11.359	91	458958	45.604	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	524391	45.721	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27349	38.529	ug/l	96
82) 4-Chlorotoluene	11.451	91	536951	45.262	ug/l	100
83) tert-Butylbenzene	11.713	119	524851	45.868	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	533947	46.554	ug/l	99
85) sec-Butylbenzene	11.890	105	636533	44.881	ug/l	100
86) p-Isopropyltoluene	12.006	119	533633	44.464	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	292853	45.035	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	292001	43.659	ug/l	99
89) n-Butylbenzene	12.329	91	484331	43.388	ug/l	99
90) Hexachloroethane	12.536	117	90925	43.186	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	285344	46.230	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	40467	51.127	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	183154	44.264	ug/l	99
94) Hexachlorobutadiene	13.719	225	54992	37.337	ug/l	97
95) Naphthalene	13.774	128	685477	57.969	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	176999	45.381	ug/l	100

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

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