

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
 Data File : VX047534.D
 Acq On : 27 Aug 2025 12:23
 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 08/28/2025
 Supervised By : Mahesh Dadoda 08/28/2025

Quant Time: Aug 28 01:16:33 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	5.556	168	222169	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	378947	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	341098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154225	49.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.200%		
35) Dibromofluoromethane	5.385	113	126183	51.306	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.620%		
50) Toluene-d8	8.647	98	427485	48.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.260%		
62) 4-Bromofluorobenzene	11.079	95	162870	50.208	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.420%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	124097	43.817	ug/l	98
3) Chloromethane	1.307	50	116353	45.668	ug/l	99
4) Vinyl Chloride	1.392	62	146593	45.841	ug/l	99
5) Bromomethane	1.618	94	73811	57.144	ug/l	100
6) Chloroethane	1.703	64	89503	45.745	ug/l	96
7) Trichlorofluoromethane	1.904	101	217633	46.010	ug/l	98
8) Diethyl Ether	2.142	74	87092	52.291	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	132945	48.452	ug/l	99
10) Methyl Iodide	2.465	142	191532	40.733	ug/l	99
11) Tert butyl alcohol	2.959	59	79333	293.290	ug/l	100
12) 1,1-Dichloroethene	2.331	96	131959	47.174	ug/l	97
13) Acrolein	2.246	56	153857	269.452	ug/l	99
14) Allyl chloride	2.678	41	249873	51.430	ug/l	98
15) Acrylonitrile	3.075	53	348380	266.535	ug/l	99
16) Acetone	2.386	43	348083	297.828	ug/l	99
17) Carbon Disulfide	2.526	76	342306	40.552	ug/l	99
18) Methyl Acetate	2.709	43	185025	61.091	ug/l	97
19) Methyl tert-butyl Ether	3.124	73	462843	54.389	ug/l	99
20) Methylene Chloride	2.800	84	154782	50.013	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	142363	47.951	ug/l	99
22) Diisopropyl ether	3.764	45	526875	54.861	ug/l	88
23) Vinyl Acetate	3.727	43	2084597	264.823	ug/l	100
24) 1,1-Dichloroethane	3.617	63	280821	51.733	ug/l	98
25) 2-Butanone	4.556	43	439548	287.161	ug/l	99
26) 2,2-Dichloropropane	4.483	77	216347	52.805	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	175339	50.705	ug/l	100
28) Bromochloromethane	4.904	49	119984	53.117	ug/l	99
29) Tetrahydrofuran	5.013	42	260343	263.151	ug/l	99
30) Chloroform	5.099	83	286717	51.754	ug/l	100
31) Cyclohexane	5.477	56	214185	42.803	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	238193	49.952	ug/l	99
36) 1,1-Dichloropropene	5.696	75	182224	46.936	ug/l	99
37) Ethyl Acetate	4.715	43	185213	45.953	ug/l	98
38) Carbon Tetrachloride	5.684	117	200634	47.291	ug/l	96
39) Methylcyclohexane	7.379	83	197937	40.874	ug/l	96
40) Benzene	6.038	78	579597	49.877	ug/l	99

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41) Methacrylonitrile	4.928	41	88756	52.221	ug/l	98
42) 1,2-Dichloroethane	6.086	62	213105	51.773	ug/l	100
43) Isopropyl Acetate	6.336	43	305252	52.719	ug/l	99
44) Trichloroethene	7.123	130	146092	49.098	ug/l	97
45) 1,2-Dichloropropane	7.428	63	152664	52.440	ug/l	98
46) Dibromomethane	7.580	93	109137	51.638	ug/l	98
47) Bromodichloromethane	7.818	83	231021	52.726	ug/l	99
48) Methyl methacrylate	7.690	41	157136	52.284	ug/l	100
49) 1,4-Dioxane	7.671	88	37373	1279.159	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	888010	266.511	ug/l	99
52) Toluene	8.714	92	360456	50.198	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	215707	56.409	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	237389	54.845	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	141724	51.983	ug/l	99
56) Ethyl methacrylate	9.116	69	218464	54.350	ug/l	98
57) 1,3-Dichloropropane	9.305	76	246185	52.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	510467	265.419	ug/l	99
59) 2-Hexanone	9.427	43	621110	269.484	ug/l	99
60) Dibromochloromethane	9.519	129	171582	52.957	ug/l	99
61) 1,2-Dibromoethane	9.604	107	144644	51.449	ug/l	99
64) Tetrachloroethene	9.269	164	113074	45.831	ug/l	97
65) Chlorobenzene	10.073	112	408295	50.371	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	145196	52.989	ug/l	100
67) Ethyl Benzene	10.189	91	690184	49.471	ug/l	99
68) m/p-Xylenes	10.299	106	519991	99.958	ug/l	99
69) o-Xylene	10.640	106	254582	50.854	ug/l	98
70) Styrene	10.653	104	445313	52.645	ug/l	100
71) Bromoform	10.799	173	107330	52.139	ug/l #	100
73) Isopropylbenzene	10.957	105	650847	50.152	ug/l	99
74) N-amyl acetate	10.842	43	269701	54.728	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	198563	52.113	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	161753m	53.180	ug/l	
77) Bromobenzene	11.195	156	164901	52.037	ug/l	100
78) n-propylbenzene	11.299	91	761979	49.163	ug/l	100
79) 2-Chlorotoluene	11.360	91	470773	50.247	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	532086	49.832	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	36068	51.302	ug/l	97
82) 4-Chlorotoluene	11.451	91	547675	49.588	ug/l	100
83) tert-Butylbenzene	11.713	119	532814	50.017	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	541908	50.751	ug/l	100
85) sec-Butylbenzene	11.890	105	618145	46.816	ug/l	100
86) p-Isopropyltoluene	12.006	119	527383	47.201	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	298500	49.307	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	306247	49.184	ug/l	100
89) n-Butylbenzene	12.329	91	478608	46.054	ug/l	100
90) Hexachloroethane	12.536	117	96446	49.204	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	291859	50.791	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36437	49.449	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	175359	45.522	ug/l	99
94) Hexachlorobutadiene	13.719	225	56962	41.542	ug/l	97
95) Naphthalene	13.774	128	540215	49.072	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	162004	44.616	ug/l	100

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

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