

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047251.D
 Acq On : 07 Aug 2025 10:15
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	260367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	434515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146108	45.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.100%		
35) Dibromofluoromethane	5.385	113	128161	47.771	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.647	98	368982	42.469	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	84.940%#		
62) 4-Bromofluorobenzene	11.079	95	170972	45.663	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.320%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	222777	64.417	ug/l	98
3) Chloromethane	1.313	50	187533	54.820	ug/l	99
4) Vinyl Chloride	1.392	62	228546	62.150	ug/l	99
5) Bromomethane	1.630	94	100471	50.297	ug/l	95
6) Chloroethane	1.703	64	125323	51.889	ug/l	100
7) Trichlorofluoromethane	1.904	101	323982	59.084	ug/l	100
8) Diethyl Ether	2.142	74	106535	55.103	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	186978	56.598	ug/l	100
10) Methyl Iodide	2.465	142	273391	81.199	ug/l	97
11) Tert butyl alcohol	2.959	59	98296	259.655	ug/l	100
12) 1,1-Dichloroethene	2.337	96	186671	57.050	ug/l	98
13) Acrolein	2.245	56	162595	232.827	ug/l	99
14) Allyl chloride	2.678	41	302714	51.180	ug/l	93
15) Acrylonitrile	3.075	53	401009	259.244	ug/l	99
16) Acetone	2.386	43	379192	291.845	ug/l	99
17) Carbon Disulfide	2.526	76	525659	55.531	ug/l	98
18) Methyl Acetate	2.709	43	188990	54.735	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	546954	54.925	ug/l	98
20) Methylene Chloride	2.800	84	193307	54.080	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	188280	56.231	ug/l	97
22) Diisopropyl ether	3.763	45	625546	55.009	ug/l	97
23) Vinyl Acetate	3.727	43	2555373	280.170	ug/l	100
24) 1,1-Dichloroethane	3.623	63	344415	54.466	ug/l	98
25) 2-Butanone	4.556	43	495194	261.747	ug/l	100
26) 2,2-Dichloropropane	4.483	77	266684	54.481	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	211399	53.316	ug/l	98
28) Bromochloromethane	4.903	49	144091	49.530	ug/l	100
29) Tetrahydrofuran	5.019	42	298547	244.577	ug/l	97
30) Chloroform	5.099	83	343685	53.393	ug/l	99
31) Cyclohexane	5.477	56	318662	52.557	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	299752	53.614	ug/l	99
36) 1,1-Dichloropropene	5.702	75	242698	53.070	ug/l	99
37) Ethyl Acetate	4.714	43	222760	52.863	ug/l	99
38) Carbon Tetrachloride	5.684	117	261258	53.526	ug/l	98
39) Methylcyclohexane	7.385	83	303930	53.230	ug/l	97
40) Benzene	6.043	78	713755	53.931	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	103241	46.857	ug/l	92
42) 1,2-Dichloroethane	6.086	62	250190	53.666	ug/l	99
43) Isopropyl Acetate	6.342	43	353618	53.828	ug/l	99
44) Trichloroethene	7.129	130	179627	52.928	ug/l	99
45) 1,2-Dichloropropane	7.433	63	176851	53.353	ug/l	94
46) Dibromomethane	7.580	93	126703	54.508	ug/l	100
47) Bromodichloromethane	7.824	83	263921	53.343	ug/l	96
48) Methyl methacrylate	7.696	41	183683	51.325	ug/l	100
49) 1,4-Dioxane	7.720	88	38664	949.881	ug/l #	72
51) 4-Methyl-2-Pentanone	8.574	43	996971	255.322	ug/l	99
52) Toluene	8.720	92	438755	53.916	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	250144	53.540	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	277637	54.294	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	161200	52.820	ug/l	99
56) Ethyl methacrylate	9.116	69	247637	54.811	ug/l	99
57) 1,3-Dichloropropane	9.305	76	277752	52.367	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	650118	258.586	ug/l	100
59) 2-Hexanone	9.427	43	677660	262.679	ug/l	99
60) Dibromochloromethane	9.518	129	188532	52.673	ug/l	99
61) 1,2-Dibromoethane	9.610	107	164467	51.539	ug/l	99
64) Tetrachloroethene	9.275	164	145026	53.896	ug/l	99
65) Chlorobenzene	10.079	112	471465	53.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	162030	55.036	ug/l	99
67) Ethyl Benzene	10.189	91	831560	54.388	ug/l	99
68) m/p-Xylenes	10.299	106	622294	108.762	ug/l	100
69) o-Xylene	10.640	106	300308	55.172	ug/l	98
70) Styrene	10.652	104	518432	55.545	ug/l	99
71) Bromoform	10.799	173	118732	53.091	ug/l	99
73) Isopropylbenzene	10.957	105	788393	55.471	ug/l	100
74) N-amyl acetate	10.841	43	305156	53.213	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	216034	53.213	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	177448m	53.216	ug/l	
77) Bromobenzene	11.195	156	183675	53.880	ug/l	99
78) n-propylbenzene	11.299	91	936786	55.157	ug/l	100
79) 2-Chlorotoluene	11.360	91	543767	53.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	643990	54.846	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	54406	42.037	ug/l	99
82) 4-Chlorotoluene	11.451	91	641613	54.144	ug/l	99
83) tert-Butylbenzene	11.713	119	643156	54.573	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	643223	54.922	ug/l	100
85) sec-Butylbenzene	11.890	105	796254	54.074	ug/l	100
86) p-Isopropyltoluene	12.006	119	664203	54.393	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	340795	52.614	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	346568	52.811	ug/l	98
89) n-Butylbenzene	12.329	91	621161	54.242	ug/l	99
90) Hexachloroethane	12.536	117	117840	53.943	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	326988	52.819	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41067	52.698	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	212005	51.832	ug/l	98
94) Hexachlorobutadiene	13.725	225	75260	54.104	ug/l	97
95) Naphthalene	13.774	128	639669	53.347	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	205163	52.066	ug/l	98

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

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