

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047105.D
 Acq On : 24 Jul 2025 09:44
 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 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:14:30 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

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	299639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	207085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193066	51.725	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.391	113	167580	54.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.380%			
50) Toluene-d8	8.647	98	504116	50.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.660%			
62) 4-Bromofluorobenzene	11.079	95	222466	51.542	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.080%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	224297	56.356	ug/l	98
3) Chloromethane	1.313	50	201500	51.182	ug/l	98
4) Vinyl Chloride	1.392	62	236493	55.882	ug/l	100
5) Bromomethane	1.624	94	122852	53.440	ug/l	94
6) Chloroethane	1.703	64	134619	48.432	ug/l	96
7) Trichlorofluoromethane	1.904	101	335603	53.182	ug/l	97
8) Diethyl Ether	2.142	74	112306	50.475	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	195674	51.467	ug/l	99
10) Methyl Iodide	2.465	142	277507	71.619	ug/l	97
11) Tert butyl alcohol	2.959	59	100461	229.392	ug/l	95
12) 1,1-Dichloroethene	2.337	96	191671	50.900	ug/l	97
13) Acrolein	2.246	56	276961	344.613	ug/l	100
14) Allyl chloride	2.678	41	348840	51.248	ug/l	97
15) Acrylonitrile	3.075	53	430229	241.680	ug/l	99
16) Acetone	2.386	43	391900	262.093	ug/l	100
17) Carbon Disulfide	2.526	76	536427	49.242	ug/l	99
18) Methyl Acetate	2.709	43	197262	49.643	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	567844	49.549	ug/l	96
20) Methylene Chloride	2.800	84	203836	49.551	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	192741	50.019	ug/l	94
22) Diisopropyl ether	3.764	45	665681	50.866	ug/l	97
23) Vinyl Acetate	3.727	43	2720130	259.146	ug/l	99
24) 1,1-Dichloroethane	3.617	63	367631	50.518	ug/l	98
25) 2-Butanone	4.556	43	517145	237.523	ug/l	99
26) 2,2-Dichloropropane	4.483	77	282724	50.188	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	226137	49.558	ug/l	100
28) Bromochloromethane	4.897	49	190341	56.852	ug/l	98
29) Tetrahydrofuran	5.013	42	317807	226.232	ug/l	100
30) Chloroform	5.099	83	364860	49.254	ug/l	99
31) Cyclohexane	5.477	56	332841	47.700	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	319249	49.617	ug/l	99
36) 1,1-Dichloropropene	5.696	75	258430	49.021	ug/l	98
37) Ethyl Acetate	4.715	43	226013	46.527	ug/l	98
38) Carbon Tetrachloride	5.684	117	275848	49.025	ug/l	99
39) Methylcyclohexane	7.379	83	318323	48.362	ug/l	97
40) Benzene	6.044	78	753989	49.421	ug/l	99

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	124110	48.864	ug/l	99
42) 1,2-Dichloroethane	6.086	62	269177	50.086	ug/l	99
43) Isopropyl Acetate	6.336	43	366049	48.336	ug/l	100
44) Trichloroethene	7.123	130	187111	47.827	ug/l	99
45) 1,2-Dichloropropane	7.428	63	186453	48.795	ug/l	96
46) Dibromomethane	7.580	93	131302	49.001	ug/l	100
47) Bromodichloromethane	7.818	83	286805	50.286	ug/l	99
48) Methyl methacrylate	7.690	41	190910	46.275	ug/l	99
49) 1,4-Dioxane	7.684	88	42866	913.548	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1050959	233.479	ug/l	98
52) Toluene	8.714	92	461365	49.181	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	263035	48.838	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	296329	50.270	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	169399	48.151	ug/l	99
56) Ethyl methacrylate	9.116	69	257621	49.464	ug/l	98
57) 1,3-Dichloropropane	9.305	76	294605	48.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	596772	205.910	ug/l	100
59) 2-Hexanone	9.427	43	708690	238.301	ug/l	100
60) Dibromochloromethane	9.519	129	205275	49.750	ug/l	100
61) 1,2-Dibromoethane	9.610	107	171521	46.626	ug/l	99
64) Tetrachloroethene	9.275	164	148974	46.900	ug/l	96
65) Chlorobenzene	10.079	112	494465	47.902	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	172036	49.502	ug/l	97
67) Ethyl Benzene	10.189	91	882399	48.892	ug/l	99
68) m/p-Xylenes	10.299	106	653223	96.717	ug/l	98
69) o-Xylene	10.640	106	312945	48.706	ug/l	98
70) Styrene	10.653	104	542411	49.231	ug/l	99
71) Bromoform	10.799	173	126106	47.769	ug/l	99
73) Isopropylbenzene	10.957	105	825869	50.550	ug/l	100
74) N-amyl acetate	10.842	43	321746	48.809	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	223480	47.887	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	188419m	49.156	ug/l	
77) Bromobenzene	11.195	156	195109	49.789	ug/l	99
78) n-propylbenzene	11.299	91	990870	50.753	ug/l	100
79) 2-Chlorotoluene	11.360	91	583149	49.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	674272	49.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	54469	36.612	ug/l	98
82) 4-Chlorotoluene	11.451	91	685254	50.305	ug/l	99
83) tert-Butylbenzene	11.713	119	685399	50.593	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	682637	50.706	ug/l	99
85) sec-Butylbenzene	11.890	105	849150	50.166	ug/l	100
86) p-Isopropyltoluene	12.006	119	708195	50.452	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	363982	48.884	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	364883	48.370	ug/l	97
89) n-Butylbenzene	12.329	91	667634	50.718	ug/l	99
90) Hexachloroethane	12.536	117	128187	51.047	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	346125	48.638	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44507	49.684	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	230676	49.062	ug/l	98
94) Hexachlorobutadiene	13.719	225	82402	51.533	ug/l	97
95) Naphthalene	13.774	128	697655	50.615	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	223047	49.242	ug/l	98

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

