

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047551.D
 Acq On : 28 Aug 2025 15:53
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 29 02:06:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:00:27 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	218160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	386704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	356532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	172198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165904	49.521	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.040%		
35) Dibromofluoromethane	5.397	113	132400	49.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.760%		
50) Toluene-d8	8.653	98	463786	49.853	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.700%		
62) 4-Bromofluorobenzene	11.079	95	175780	50.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	113941	47.692	ug/l	100
3) Chloromethane	1.307	50	123042	47.154	ug/l	100
4) Vinyl Chloride	1.392	62	148042	48.264	ug/l	100
5) Bromomethane	1.624	94	67801	51.105	ug/l	100
6) Chloroethane	1.703	64	91987	47.202	ug/l	100
7) Trichlorofluoromethane	1.904	101	214308	49.123	ug/l	100
8) Diethyl Ether	2.148	74	87255	50.408	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	126153	48.554	ug/l	100
10) Methyl Iodide	2.471	142	206313	47.969	ug/l	100
11) Tert butyl alcohol	2.965	59	75087	243.845	ug/l	100
12) 1,1-Dichloroethene	2.337	96	134294	48.744	ug/l	100
13) Acrolein	2.252	56	146081	236.652	ug/l	100
14) Allyl chloride	2.678	41	248874	49.310	ug/l	100
15) Acrylonitrile	3.081	53	348544	252.949	ug/l	100
16) Acetone	2.392	43	305336	230.128	ug/l	100
17) Carbon Disulfide	2.532	76	393094	47.983	ug/l	100
18) Methyl Acetate	2.715	43	167813	51.301	ug/l	100
19) Methyl tert-butyl Ether	3.130	73	455769	50.682	ug/l	100
20) Methylene Chloride	2.806	84	159639	47.282	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	147547	50.325	ug/l	100
22) Diisopropyl ether	3.776	45	518946	51.052	ug/l	100
23) Vinyl Acetate	3.733	43	2168305	261.960	ug/l	100
24) 1,1-Dichloroethane	3.623	63	278070	49.231	ug/l	100
25) 2-Butanone	4.568	43	436530	250.000	ug/l	100
26) 2,2-Dichloropropane	4.495	77	203205	49.774	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	177821	49.780	ug/l	100
28) Bromochloromethane	4.916	49	123328	50.596	ug/l	100
29) Tetrahydrofuran	5.026	42	272984	251.926	ug/l	100
30) Chloroform	5.111	83	285370	49.616	ug/l	100
31) Cyclohexane	5.483	56	227466	48.288	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	233350	49.797	ug/l	100
36) 1,1-Dichloropropene	5.708	75	188303	49.853	ug/l	100
37) Ethyl Acetate	4.727	43	188683	50.681	ug/l	100
38) Carbon Tetrachloride	5.690	117	199596	47.624	ug/l	100
39) Methylcyclohexane	7.385	83	209651	48.129	ug/l	100
40) Benzene	6.050	78	596988	49.506	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	98733	55.997	ug/l	100
42) 1,2-Dichloroethane	6.099	62	213807	49.253	ug/l	100
43) Isopropyl Acetate	6.348	43	316980	52.988	ug/l	100
44) Trichloroethene	7.129	130	146877	49.158	ug/l	100
45) 1,2-Dichloropropane	7.434	63	153729	50.612	ug/l	100
46) Dibromomethane	7.586	93	112280	50.214	ug/l	100
47) Bromodichloromethane	7.824	83	227421	49.733	ug/l	100
48) Methyl methacrylate	7.696	41	163855	53.247	ug/l	100
49) 1,4-Dioxane	7.678	88	31684	1040.835	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	924929	261.685	ug/l	100
52) Toluene	8.720	92	369658	50.302	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	215911	52.409	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	236201	51.744	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	143882	50.188	ug/l	100
56) Ethyl methacrylate	9.116	69	224954	53.006	ug/l	100
57) 1,3-Dichloropropane	9.311	76	249456	50.258	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	515392	257.464	ug/l	100
59) 2-Hexanone	9.433	43	634339	262.714	ug/l	100
60) Dibromochloromethane	9.519	129	172457	50.355	ug/l	100
61) 1,2-Dibromoethane	9.610	107	150197	51.481	ug/l	100
64) Tetrachloroethene	9.275	164	117722	49.286	ug/l	100
65) Chlorobenzene	10.080	112	416042	49.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	142254	50.263	ug/l	100
67) Ethyl Benzene	10.189	91	704427	50.226	ug/l	100
68) m/p-Xylenes	10.299	106	530740	101.885	ug/l	100
69) o-Xylene	10.640	106	258177	51.449	ug/l	100
70) Styrene	10.653	104	453780	52.115	ug/l	100
71) Bromoform	10.799	173	108706	50.442	ug/l #	100
73) Isopropylbenzene	10.957	105	650862	51.366	ug/l	100
74) N-amyl acetate	10.842	43	275729	52.695	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	203959	50.920	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	163470m	51.941	ug/l	100
77) Bromobenzene	11.195	156	169261	52.217	ug/l	100
78) n-propylbenzene	11.305	91	775459	51.403	ug/l	100
79) 2-Chlorotoluene	11.360	91	472411	50.494	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	538692	51.996	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	33171	43.077	ug/l	100
82) 4-Chlorotoluene	11.451	91	554746	50.534	ug/l	100
83) tert-Butylbenzene	11.713	119	535124	51.238	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	550519	52.130	ug/l	100
85) sec-Butylbenzene	11.890	105	636433	50.645	ug/l	100
86) p-Isopropyltoluene	12.006	119	532871	50.586	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	305281	50.515	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	308313	49.411	ug/l	100
89) n-Butylbenzene	12.329	91	488066	50.200	ug/l	100
90) Hexachloroethane	12.536	117	97282	50.240	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	294136	49.669	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37902	51.300	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	180178	49.913	ug/l	100
94) Hexachlorobutadiene	13.719	225	55448	44.193	ug/l	100
95) Naphthalene	13.774	128	555347	52.629	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	167836	49.498	ug/l	100

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

