

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061025\
 Data File : VX046616.D
 Acq On : 10 Jun 2025 21:01
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Jun 11 05:58:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 05:53:18 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

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

Internal Standards						
1) Bromochloromethane	4.916	128	21014	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	108888	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	102388	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	45397	22.933	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	76.433%#		
60) 4-Bromofluorobenzene	11.079	95	51686	27.535	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.800%		
63) Toluene-d8	8.653	98	133859	24.564	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	81.867%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	67152	39.278	ug/l	97
3) Chloromethane	1.307	50	67721	33.855	ug/l	97
4) Vinyl Chloride	1.386	62	65364	33.754	ug/l	99
5) Bromomethane	1.624	94	39531	52.308	ug/l	99
6) Chloroethane	1.703	64	38731	37.564	ug/l	100
7) Trichlorofluoromethane	1.904	101	90096	34.029	ug/l	100
8) Diethyl Ether	2.148	74	28989	29.408	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	59156	36.998	ug/l	97
10) 1,1-Dichloroethene	2.337	96	58166	37.425	ug/l	93
11) Methyl Iodide	2.471	142	82662	44.566	ug/l	99
12) Methyl Acetate	2.715	43	60732	31.234	ug/l	93
13) Acrolein	2.252	56	33095	99.015	ug/l	98
14) Acrylonitrile	3.075	53	145764	167.946	ug/l	100
15) Acetone	2.392	58	34647	150.621	ug/l	88
16) Carbon Disulfide	2.532	76	162583	36.799	ug/l	98
17) Allyl chloride	2.678	41	102544	35.288	ug/l	97
18) Methylene Chloride	2.806	84	63723	36.645	ug/l	99
19) trans-1,2-Dichloroethene	3.105	96	61492	38.991	ug/l	100
20) Diisopropyl ether	3.770	45	198220	35.634	ug/l	86
21) 1,1-Dichloroethane	3.629	63	112467	36.263	ug/l	98
22) cis-1,2-Dichloroethene	4.501	96	71470	37.873	ug/l	97
23) tert-Butyl Alcohol	2.959	59	29200	103.348	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	178920	35.579	ug/l	97
25) Chloroform	5.111	83	113621	37.584	ug/l	93
26) Cyclohexane	5.483	56	101516	35.563	ug/l #	95
29) 1,1-Dichloropropene	5.708	75	78147	39.321	ug/l	96
30) 2-Butanone	4.568	43	182756	166.916	ug/l	98
31) 2,2-Dichloropropane	4.489	77	71776	33.277	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	97388	40.317	ug/l	97
33) Carbon Tetrachloride	5.690	117	88852	43.258	ug/l	97
34) Benzene	6.050	78	237672	38.717	ug/l	97
35) Methacrylonitrile	4.928	41	46275	38.894	ug/l	98
36) 1,2-Dichloroethane	6.092	62	84980	39.499	ug/l	97
37) Trichloroethene	7.135	130	61466	42.532	ug/l	99
38) Methylcyclohexane	7.385	83	107594	40.817	ug/l	95
39) 1,2-Dichloropropane	7.434	63	60670	39.885	ug/l	96
40) Dibromomethane	7.586	93	44659	40.463	ug/l	98
41) Bromodichloromethane	7.824	83	91514	41.323	ug/l	96
42) Vinyl Acetate	3.733	43	813088	191.071	ug/l	97

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43) Ethyl Acetate	4.727	43	76175	36.304	ug/l #	88
44) Isopropyl Acetate	6.348	43	113962	33.274	ug/l	100
45) 1,4-Dioxane	7.659	88	15163	459.116	ug/l #	93
46) Methyl methacrylate	7.696	41	65423	38.115	ug/l	96
47) n-amyl Acetate	10.842	43	123546	42.227	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	83937	39.844	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	93527	39.526	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	58480	41.067	ug/l	93
51) Ethyl methacrylate	9.116	69	90255	40.129	ug/l	95
52) 1,3-Dichloropropane	9.311	76	101492	40.566	ug/l	99
53) Dibromochloromethane	9.519	129	70368	44.108	ug/l	99
54) 1,2-Dibromoethane	9.610	107	61792	42.444	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	242780	209.277	ug/l	98
56) Bromoform	10.799	173	43675	43.391	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	385957	173.732	ug/l	98
59) 2-Hexanone	9.427	43	287325	179.309	ug/l	98
61) Tetrachloroethene	9.275	164	50960	41.220	ug/l	98
62) Toluene	8.720	91	263456	39.653	ug/l	100
64) Chlorobenzene	10.079	112	173096	41.967	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	59332	43.293	ug/l	98
66) Ethyl Benzene	10.195	91	310680	42.368	ug/l	99
67) m/p-Xylenes	10.299	106	232571	85.802	ug/l	97
68) o-Xylene	10.640	106	111285	42.006	ug/l	98
69) Styrene	10.653	104	189444	42.379	ug/l	98
70) Isopropylbenzene	10.963	105	297820	43.202	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	85664	38.320	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	72131m	39.112	ug/l	
73) Bromobenzene	11.195	156	68580	43.109	ug/l	98
74) n-propylbenzene	11.305	91	358912	43.482	ug/l	99
75) 2-Chlorotoluene	11.360	91	210797	42.431	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	246843	43.282	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	24547	39.135	ug/l	94
78) 4-Chlorotoluene	11.451	91	244058	43.554	ug/l	100
79) tert-butylbenzene	11.713	119	245096	42.765	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	242787	42.646	ug/l	99
81) sec-Butylbenzene	11.890	105	314122	43.418	ug/l	99
82) p-Isopropyltoluene	12.006	119	260529	44.246	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	128582	43.335	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	127142	43.154	ug/l	99
85) n-Butylbenzene	12.329	91	249335	45.589	ug/l	99
86) Hexachloroethane	12.536	117	44755	42.946	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	123006	42.457	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	18139	41.216	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	80770	44.831	ug/l	99
90) Hexachlorobutadiene	13.725	225	35663	48.174	ug/l	99
91) Naphthalene	13.774	128	261755	42.345	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	79158	43.289	ug/l	98

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

