

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046675.D
 Acq On : 13 Jun 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 13 22:59:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
							06/16/2025
Internal Standards							Supervised By :Mahesh
1) Bromochloromethane	4.903	128	24017	30.000	ug/l	-0.03	Dadoda
28) 1,4-Difluorobenzene	6.763	114	128745	30.000	ug/l	0.00	
57) Chlorobenzene-d5	10.055	117	115567	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.958	65	58529	30.106	ug/l	-0.01	06/16/2025
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.367%	
60) 4-Bromofluorobenzene	11.079	95	59238	30.411	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.367%	
63) Toluene-d8	8.647	98	158024	30.612	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.033%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	1.184	85	31634	20.260	ug/l	99	
3) Chloromethane	1.306	50	30296	18.832	ug/l	98	
4) Vinyl Chloride	1.386	62	29336	18.915	ug/l	98	
5) Bromomethane	1.629	94	17540	18.937	ug/l	96	
6) Chloroethane	1.703	64	16058	18.022	ug/l	97	
7) Trichlorofluoromethane	1.904	101	43707	19.675	ug/l	93	
8) Diethyl Ether	2.148	74	14246	18.303	ug/l	99	
9) 1,1,2-Trichlorotrifluo...	2.343	101	29170	19.736	ug/l	98	
10) 1,1-Dichloroethene	2.337	96	27330	19.062	ug/l	99	
11) Methyl Iodide	2.465	142	30442	15.574	ug/l	97	
12) Methyl Acetate	2.715	43	27986	15.486	ug/l	98	
13) Acrolein	2.251	56	18506	104.503	ug/l	97	
14) Acrylonitrile	3.074	53	69774	93.951	ug/l	100	
15) Acetone	2.385	58	19389	114.171	ug/l	82	
16) Carbon Disulfide	2.526	76	78227	19.666	ug/l	100	
17) Allyl chloride	2.678	41	48879	18.791	ug/l	97	
18) Methylene Chloride	2.800	84	30831	19.485	ug/l	94	
19) trans-1,2-Dichloroethene	3.105	96	29531	19.876	ug/l	95	
20) Diisopropyl ether	3.769	45	96613	19.631	ug/l	96	
21) 1,1-Dichloroethane	3.617	63	55191	19.573	ug/l	98	
22) cis-1,2-Dichloroethene	4.501	96	33922	19.583	ug/l	97	
23) tert-Butyl Alcohol	2.959	59	14935	99.569	ug/l #	100	
24) Methyl tert-Butyl Ether	3.123	73	85850	19.602	ug/l	96	
25) Chloroform	5.098	83	59827	20.613	ug/l	96	
26) Cyclohexane	5.482	56	51616	20.063	ug/l #	99	
29) 1,1-Dichloropropene	5.702	75	41144	20.312	ug/l	97	
30) 2-Butanone	4.562	43	82182	91.052	ug/l	98	
31) 2,2-Dichloropropane	4.483	77	41226	22.925	ug/l	99	
32) 1,1,1-Trichloroethane	5.391	97	51671	20.644	ug/l	97	
33) Carbon Tetrachloride	5.684	117	45887	20.657	ug/l	97	
34) Benzene	6.043	78	120241	20.204	ug/l	98	
35) Methacrylonitrile	4.928	41	20902	18.885	ug/l	94	
36) 1,2-Dichloroethane	6.092	62	46205	20.520	ug/l #	89	
37) Trichloroethene	7.129	130	29726	19.905	ug/l	91	
38) Methylcyclohexane	7.378	83	52142	20.279	ug/l	98	
39) 1,2-Dichloropropane	7.433	63	29960	20.181	ug/l	95	
40) Dibromomethane	7.580	93	22001	19.824	ug/l	97	
41) Bromodichloromethane	7.824	83	46462	20.549	ug/l #	97	
42) Vinyl Acetate	3.733	43	377087	96.822	ug/l	97	

06/16/2025
 Supervised By :Mahesh
 Gadoda

06/16/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046675.D
 Acq On : 13 Jun 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 13 22:59:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.726	43	31684	16.572	ug/l	#	82
44) Isopropyl Acetate	6.342	43	61253	20.482	ug/l		99
45) 1,4-Dioxane	7.659	88	8463	448.633	ug/l		98
46) Methyl methacrylate	7.695	41	31830	19.493	ug/l		98
47) n-amyl Acetate	10.841	43	53456	19.984	ug/l		99
48) t-1,3-Dichloropropene	8.976	75	40691	20.075	ug/l		96
49) cis-1,3-Dichloropropene	8.366	75	46536	20.564	ug/l		98
50) 1,1,2-Trichloroethane	9.153	97	28630	20.468	ug/l		95
51) Ethyl methacrylate	9.116	69	41303	19.420	ug/l		97
52) 1,3-Dichloropropane	9.305	76	48773	20.019	ug/l		98
53) Dibromochloromethane	9.518	129	33414	20.267	ug/l		98
54) 1,2-Dibromoethane	9.610	107	28958	19.682	ug/l		97
55) 2-Chloroethyl vinyl ether	8.238	63	113237	101.947	ug/l		99
56) Bromoform	10.799	173	20996	20.608	ug/l		99
58) 4-Methyl-2-Pentanone	8.573	43	190294	101.230	ug/l		100
59) 2-Hexanone	9.427	43	129181	97.411	ug/l		98
61) Tetrachloroethene	9.274	164	24794	20.471	ug/l		95
62) Toluene	8.720	91	128392	20.500	ug/l		100
64) Chlorobenzene	10.079	112	81714	20.228	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.158	131	27319	20.179	ug/l		97
66) Ethyl Benzene	10.195	91	144940	20.268	ug/l		96
67) m/p-Xylenes	10.299	106	109566	41.422	ug/l		97
68) o-Xylene	10.640	106	50880	19.978	ug/l		99
69) Styrene	10.652	104	89302	20.457	ug/l		99
70) Isopropylbenzene	10.963	105	137877	20.173	ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.207	83	40436	20.140	ug/l		98
72) 1,2,3-Trichloropropane	11.238	75	33671m	20.088	ug/l		
73) Bromobenzene	11.195	156	32460	20.261	ug/l		98
74) n-propylbenzene	11.305	91	169567	20.748	ug/l		99
75) 2-Chlorotoluene	11.359	91	100808	20.604	ug/l		100
76) 1,3,5-Trimethylbenzene	11.451	105	117291	20.654	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	11548	20.395	ug/l		94
78) 4-Chlorotoluene	11.451	91	116583	20.595	ug/l		99
79) tert-butylbenzene	11.713	119	116483	20.568	ug/l		98
80) 1,2,4-Trimethylbenzene	11.750	105	115023	20.509	ug/l		99
81) sec-Butylbenzene	11.890	105	148573	20.501	ug/l		99
82) p-Isopropyltoluene	12.006	119	124737	20.971	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	61967	20.779	ug/l		99
84) 1,4-Dichlorobenzene	12.036	146	60680	20.233	ug/l		97
85) n-Butylbenzene	12.329	91	120673	21.059	ug/l		99
86) Hexachloroethane	12.536	117	21102	20.427	ug/l		97
87) 1,2-Dichlorobenzene	12.335	146	59340	20.683	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.938	75	8196	19.789	ug/l		99
89) 1,2,4-Trichlorobenzene	13.585	180	38191	20.191	ug/l		99
90) Hexachlorobutadiene	13.719	225	16196	19.446	ug/l		99
91) Naphthalene	13.774	128	117145	19.521	ug/l		100
92) 1,2,3-Trichlorobenzene	13.963	180	38780	20.887	ug/l		99

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

