

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085372.D
 Acq On : 02 Jan 2025 10:36
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jan 03 00:41:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/03/2025
 Supervised By :Semsettin Yesilyurt 01/03/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	30931	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	161808	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	150173	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80849	29.713	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.033%		
60) 4-Bromofluorobenzene	12.847	95	73031	30.022	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.067%		
63) Toluene-d8	10.565	98	223395	30.465	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.533%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	52671	20.366	ug/l	95
3) Chloromethane	2.359	50	50866	19.480	ug/l	99
4) Vinyl Chloride	2.512	62	52054	19.633	ug/l	92
5) Bromomethane	2.959	94	30622	19.756	ug/l	95
6) Chloroethane	3.124	64	33654	20.107	ug/l	94
7) Trichlorofluoromethane	3.500	101	73109	20.071	ug/l	95
8) Diethyl Ether	3.959	74	23114	18.425	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	42326	20.235	ug/l	96
10) 1,1-Dichloroethene	4.336	96	36764	19.240	ug/l	87
11) Methyl Iodide	4.583	142	45500	19.868	ug/l	96
12) Methyl Acetate	5.024	43	59625	20.895	ug/l	93
13) Acrolein	4.183	56	25323	99.404	ug/l	95
14) Acrylonitrile	5.718	53	104564	94.741	ug/l	99
15) Acetone	4.430	58	26681	95.833	ug/l	94
16) Carbon Disulfide	4.712	76	108523	18.684	ug/l #	94
17) Allyl chloride	5.024	41	54871	17.751	ug/l	99
18) Methylene Chloride	5.277	84	45143m	19.826	ug/l	
19) trans-1,2-Dichloroethene	5.794	96	39032m	19.639	ug/l	
20) Diisopropyl ether	6.671	45	137887	19.464	ug/l	98
21) 1,1-Dichloroethane	6.571	63	80989	19.556	ug/l #	95
22) cis-1,2-Dichloroethene	7.482	96	45817	19.360	ug/l	99
23) tert-Butyl Alcohol	5.512	59	32385	89.034	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	118934	18.963	ug/l	98
25) Chloroform	7.965	83	83622	19.919	ug/l	99
26) Cyclohexane	8.253	56	59024	18.693	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	54274	19.319	ug/l	98
30) 2-Butanone	7.477	43	137479	92.708	ug/l	99
31) 2,2-Dichloropropane	7.482	77	69206	19.441	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	71059	19.457	ug/l	100
33) Carbon Tetrachloride	8.359	117	63266	19.789	ug/l	93
34) Benzene	8.606	78	174892	19.694	ug/l	97
35) Methacrylonitrile	7.777	41	30595	18.637	ug/l	96
36) 1,2-Dichloroethane	8.665	62	63020	19.625	ug/l #	93
37) Trichloroethene	9.353	130	38276	19.590	ug/l	98
38) Methylcyclohexane	9.600	83	53311	18.337	ug/l	96
39) 1,2-Dichloropropane	9.618	63	44397	19.650	ug/l	98
40) Dibromomethane	9.706	93	31019	19.692	ug/l	97
41) Bromodichloromethane	9.882	83	64227	19.510	ug/l	97
42) Vinyl Acetate	6.600	43	475411	90.822	ug/l	100

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Supervised By :Semsettin Yesilyurt 01/03/2025

Quant Time: Jan 03 00:41:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Sat Dec 21 02:03:07 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55647	18.146	ug/l	100
44) Isopropyl Acetate	8.682	43	94269	18.504	ug/l	97
45) 1,4-Dioxane	9.694	88	15094	380.926	ug/l	96
46) Methyl methacrylate	9.682	41	42710	18.061	ug/l	98
47) n-amyl Acetate	12.494	43	78759	18.148	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	61004	18.761	ug/l	100
49) cis-1,3-Dichloropropene	10.306	75	66572	19.043	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	39550	19.198	ug/l	96
51) Ethyl methacrylate	10.871	69	57103	18.326	ug/l	89
52) 1,3-Dichloropropane	11.159	76	69851	19.424	ug/l	98
53) Dibromochloromethane	11.353	129	46777	19.378	ug/l	98
54) 1,2-Dibromoethane	11.470	107	39958	20.042	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	128653	80.157	ug/l	99
56) Bromoform	12.576	173	29906	18.991	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	295690	97.127	ug/l	99
59) 2-Hexanone	11.194	43	209864	94.892	ug/l	98
61) Tetrachloroethene	11.100	164	35336	21.078	ug/l	96
62) Toluene	10.629	91	178377	19.334	ug/l	98
64) Chlorobenzene	11.888	112	110353	19.832	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	39839	19.742	ug/l	99
66) Ethyl Benzene	11.965	91	184020	18.956	ug/l	99
67) m/p-Xylenes	12.070	106	146287	40.167	ug/l	100
68) o-Xylene	12.394	106	67368	19.420	ug/l	98
69) Styrene	12.412	104	113725	19.398	ug/l	100
70) Isopropylbenzene	12.694	105	168906	19.390	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	59234	19.173	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	50342m	19.145	ug/l	
73) Bromobenzene	12.976	156	42053	19.542	ug/l	99
74) n-propylbenzene	13.035	91	213001	19.628	ug/l	98
75) 2-Chlorotoluene	13.123	91	128777	19.698	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	145549	19.582	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19876	18.496	ug/l	94
78) 4-Chlorotoluene	13.217	91	130424	19.622	ug/l	98
79) tert-butylbenzene	13.435	119	116565	19.177	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	148491	20.071	ug/l	98
81) sec-Butylbenzene	13.617	105	172100	19.611	ug/l	98
82) p-Isopropyltoluene	13.729	119	139232	19.265	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	77570	19.328	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	76914	19.809	ug/l	97
85) n-Butylbenzene	14.053	91	114032	18.275	ug/l	100
86) Hexachloroethane	14.329	117	29698	19.140	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	74925	19.651	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10941	19.399	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	34458	19.076	ug/l	98
90) Hexachlorobutadiene	15.500	225	17368	19.289	ug/l	95
91) Naphthalene	15.641	128	99820	17.199	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34458	19.076	ug/l	98

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

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