

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085378.D
 Acq On : 02 Jan 2025 15:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Jan 03 00:44:16 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)

Internal Standards						
1) Bromochloromethane	7.812	128	30351	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	163481	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	154047	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80553	30.170	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.567%			
60) 4-Bromofluorobenzene	12.847	95	74084	29.689	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.967%			
63) Toluene-d8	10.565	98	220482	29.311	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	47386	18.672	ug/l	98
3) Chloromethane	2.359	50	48208	18.815	ug/l	96
4) Vinyl Chloride	2.512	62	48410	18.607	ug/l	97
5) Bromomethane	2.959	94	26141	17.188	ug/l	98
6) Chloroethane	3.118	64	31378	19.105	ug/l	100
7) Trichlorofluoromethane	3.500	101	66262	18.539	ug/l	98
8) Diethyl Ether	3.965	74	23158	18.813	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	38834	18.921	ug/l	68
10) 1,1-Dichloroethene	4.336	96	34854	18.589	ug/l	86
11) Methyl Iodide	4.589	142	42397	18.867	ug/l	97
12) Methyl Acetate	5.024	43	55056	19.662	ug/l	92
13) Acrolein	4.183	56	22779	91.127	ug/l	99
14) Acrylonitrile	5.718	53	96233	88.859	ug/l #	64
15) Acetone	4.430	58	24289	88.908	ug/l	87
16) Carbon Disulfide	4.712	76	103244	18.114	ug/l	99
17) Allyl chloride	5.018	41	53977	17.796	ug/l	95
18) Methylene Chloride	5.271	84	41849	18.730	ug/l	100
19) trans-1,2-Dichloroethene	5.789	96	38327	19.653	ug/l	84
20) Diisopropyl ether	6.665	45	131683	18.943	ug/l	95
21) 1,1-Dichloroethane	6.565	63	76244	18.762	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	43478	18.722	ug/l	96
23) tert-Butyl Alcohol	5.512	59	28620	80.187	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	115115	18.705	ug/l	97
25) Chloroform	7.959	83	78371	19.025	ug/l	95
26) Cyclohexane	8.253	56	57144	18.443	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	50863	17.920	ug/l	98
30) 2-Butanone	7.477	43	126764	84.608	ug/l	98
31) 2,2-Dichloropropane	7.483	77	63465	17.646	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	66932	18.139	ug/l	98
33) Carbon Tetrachloride	8.359	117	59438m	18.402	ug/l	
34) Benzene	8.600	78	166479	18.555	ug/l	95
35) Methacrylonitrile	7.777	41	27967	16.862	ug/l	95
36) 1,2-Dichloroethane	8.665	62	60592	18.676	ug/l	99
37) Trichloroethene	9.347	130	35666	18.068	ug/l	96
38) Methylcyclohexane	9.594	83	50652	17.245	ug/l	97
39) 1,2-Dichloropropane	9.618	63	41339	18.110	ug/l	96
40) Dibromomethane	9.706	93	29325	18.426	ug/l	98
41) Bromodichloromethane	9.882	83	61257	18.418	ug/l #	98
42) Vinyl Acetate	6.600	43	462230	87.400	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085378.D
 Acq On : 02 Jan 2025 15:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Jan 03 00:44:16 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	7.553	43	56010	18.077	ug/l	98
44) Isopropyl Acetate	8.688	43	89887	17.463	ug/l	98
45) 1,4-Dioxane	9.688	88	12223	305.314	ug/l #	95
46) Methyl methacrylate	9.677	41	41690	17.450	ug/l	96
47) n-amyl Acetate	12.494	43	77460	17.666	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	58205	17.717	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	63399	17.950	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	37124	17.836	ug/l	96
51) Ethyl methacrylate	10.871	69	54405	17.282	ug/l	94
52) 1,3-Dichloropropane	11.159	76	65428	18.008	ug/l	100
53) Dibromochloromethane	11.359	129	43769	17.946	ug/l	100
54) 1,2-Dibromoethane	11.465	107	36601	18.171	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	129981	80.156	ug/l	100
56) Bromoform	12.576	173	27560	17.322	ug/l #	96
58) 4-Methyl-2-Pentanone	10.441	43	276222	88.450	ug/l	99
59) 2-Hexanone	11.194	43	197036	86.851	ug/l	98
61) Tetrachloroethene	11.100	164	32430	18.858	ug/l	95
62) Toluene	10.629	91	173103	18.291	ug/l	100
64) Chlorobenzene	11.888	112	108132	18.944	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	37389	18.062	ug/l	99
66) Ethyl Benzene	11.959	91	179985	18.074	ug/l	98
67) m/p-Xylenes	12.070	106	138178	36.986	ug/l	99
68) o-Xylene	12.400	106	64755	18.197	ug/l	99
69) Styrene	12.412	104	110016	18.293	ug/l	99
70) Isopropylbenzene	12.694	105	167349	18.729	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	55846	17.622	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	50269m	18.637	ug/l	
73) Bromobenzene	12.976	156	40706	18.440	ug/l	97
74) n-propylbenzene	13.035	91	207791	18.666	ug/l	100
75) 2-Chlorotoluene	13.123	91	123605	18.432	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	140178	18.385	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	13859	12.572	ug/l	98
78) 4-Chlorotoluene	13.217	91	125174	18.358	ug/l	99
79) tert-butylbenzene	13.435	119	111344	17.857	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	140041	18.453	ug/l	99
81) sec-Butylbenzene	13.612	105	164717	18.298	ug/l	99
82) p-Isopropyltoluene	13.729	119	134563	18.150	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	73566	17.869	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	73922	18.560	ug/l	98
85) n-Butylbenzene	14.053	91	116605	18.218	ug/l	100
86) Hexachloroethane	14.329	117	26479	16.637	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	71021	18.158	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9656	16.690	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	35028	18.904	ug/l	99
90) Hexachlorobutadiene	15.500	225	16212	17.552	ug/l	92
91) Naphthalene	15.641	128	104833	17.608	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	35028	18.904	ug/l	99

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

