

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021523\
 Data File : VN076698.D
 Acq On : 15 Feb 2023 20:28
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2023
 Supervised By : Mahesh Dadoda 02/18/2023

Quant Time: Feb 16 04:37:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.819	128	28277	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.113	114	205555	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	231780	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	84497	32.672	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.900%			
60) 4-Bromofluorobenzene	12.848	95	125285	30.560	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.867%			
63) Toluene-d8	10.572	98	251790	31.014	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	62985	21.048	ug/l	97
3) Chloromethane	2.378	50	80104	21.800	ug/l	99
4) Vinyl Chloride	2.525	62	88155	22.478	ug/l	99
5) Bromomethane	2.960	94	54570	20.154	ug/l	97
6) Chloroethane	3.125	64	59799	23.513	ug/l #	85
7) Trichlorofluoromethane	3.507	101	102986	21.065	ug/l	98
8) Diethyl Ether	3.978	74	41512	21.400	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	60977	20.522	ug/l	98
10) 1,1-Dichloroethene	4.354	96	59726	21.403	ug/l	94
11) Methyl Iodide	4.595	142	70627	20.282	ug/l	91
12) Methyl Acetate	5.043	43	138083m	24.136	ug/l	
13) Acrolein	4.196	56	69707	102.590	ug/l	99
14) Acrylonitrile	5.737	53	198876	113.272	ug/l	99
15) Acetone	4.443	58	50878	89.503	ug/l	97
16) Carbon Disulfide	4.725	76	163908	20.940	ug/l	99
17) Allyl chloride	5.043	41	105081	21.037	ug/l	93
18) Methylene Chloride	5.290	84	76132	21.614	ug/l	88
19) trans-1,2-Dichloroethene	5.801	96	63521	20.296	ug/l	93
20) Diisopropyl ether	6.684	45	249011	21.082	ug/l	98
21) 1,1-Dichloroethane	6.578	63	135158	21.876	ug/l	98
22) cis-1,2-Dichloroethene	7.495	96	76090	21.191	ug/l	99
23) tert-Butyl Alcohol	5.537	59	61722m	121.640	ug/l	
24) Methyl tert-Butyl Ether	5.813	73	210767	21.829	ug/l #	81
25) Chloroform	7.978	83	135436	22.354	ug/l	98
26) Cyclohexane	8.266	56	117361	21.253	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	97377	20.768	ug/l	97
30) 2-Butanone	7.489	43	294191	107.565	ug/l	96
31) 2,2-Dichloropropane	7.495	77	84771	17.299	ug/l #	60
32) 1,1,1-Trichloroethane	8.178	97	109781	20.168	ug/l	99
33) Carbon Tetrachloride	8.372	117	92978	19.714	ug/l	94
34) Benzene	8.613	78	308847	20.632	ug/l	97
35) Methacrylonitrile	7.784	41	66871	22.415	ug/l	94
36) 1,2-Dichloroethane	8.678	62	107934	21.542	ug/l	99
37) Trichloroethene	9.354	130	65778	18.895	ug/l	99
38) Methylcyclohexane	9.607	83	113449	19.227	ug/l	96
39) 1,2-Dichloropropane	9.630	63	82175	21.123	ug/l	90
40) Dibromomethane	9.713	93	53107	21.405	ug/l	96
41) Bromodichloromethane	9.895	83	101850	20.465	ug/l	98
42) Vinyl Acetate	6.619	43	813107	102.584	ug/l	99

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	122496m	23.508	ug/l	
44) Isopropyl Acetate	8.695	43	182840	21.316	ug/l	100
45) 1,4-Dioxane	9.701	88	31907	439.514	ug/l	98
46) Methyl methacrylate	9.689	41	87641	22.258	ug/l	98
47) n-amyl Acetate	12.495	43	159599	21.070	ug/l	95
48) t-1,3-Dichloropropene	10.842	75	97911	19.398	ug/l	97
49) cis-1,3-Dichloropropene	10.319	75	110989	19.319	ug/l	95
50) 1,1,2-Trichloroethane	11.019	97	75374	20.899	ug/l	97
51) Ethyl methacrylate	10.877	69	111105	21.218	ug/l	97
52) 1,3-Dichloropropane	11.166	76	133383	21.511	ug/l	99
53) Dibromochloromethane	11.360	129	75595	20.405	ug/l	97
54) 1,2-Dibromoethane	11.472	107	69634	19.833	ug/l	95
55) 2-Chloroethyl vinyl ether	10.166	63	218494	94.121	ug/l	99
56) Bromoform	12.583	173	49304	19.324	ug/l	100
58) 4-Methyl-2-Pentanone	10.448	43	623593	113.121	ug/l	100
59) 2-Hexanone	11.201	43	457999	111.697	ug/l	99
61) Tetrachloroethene	11.107	164	54368	18.575	ug/l	87
62) Toluene	10.636	91	330778	20.421	ug/l	97
64) Chlorobenzene	11.895	112	191710	19.866	ug/l	90
65) 1,1,1,2-Tetrachloroethane	11.966	131	70907	20.043	ug/l	96
66) Ethyl Benzene	11.966	91	353964	20.555	ug/l	95
67) m/p-Xylenes	12.077	106	278565	41.367	ug/l	97
68) o-Xylene	12.401	106	140579	21.184	ug/l	94
69) Styrene	12.418	104	223837	21.010	ug/l	100
70) Isopropylbenzene	12.701	105	347165	20.506	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	119683	21.608	ug/l	99
72) 1,2,3-Trichloropropane	12.995	75	92811m	19.022	ug/l	
73) Bromobenzene	12.983	156	78986	20.107	ug/l	93
74) n-propylbenzene	13.042	91	409719	20.320	ug/l	100
75) 2-Chlorotoluene	13.130	91	246308	20.529	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	296005	20.964	ug/l	96
77) t-1,4-Dichloro-2-butene	12.736	75	34477	21.994	ug/l	95
78) 4-Chlorotoluene	13.224	91	237988	20.691	ug/l	99
79) tert-butylbenzene	13.442	119	255283	20.420	ug/l	98
80) 1,2,4-Trimethylbenzene	13.483	105	293780	20.954	ug/l	99
81) sec-Butylbenzene	13.618	105	369264	20.569	ug/l	100
82) p-Isopropyltoluene	13.736	119	300862	20.671	ug/l	99
83) 1,3-Dichlorobenzene	13.736	146	151779	20.221	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	147863	20.196	ug/l	97
85) n-Butylbenzene	14.060	91	237328	19.239	ug/l	99
86) Hexachloroethane	14.336	117	56114	19.916	ug/l	99
87) 1,2-Dichlorobenzene	14.113	146	154311	20.446	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.724	75	20962	20.417	ug/l	92
89) 1,2,4-Trichlorobenzene	15.395	180	72395	18.803	ug/l	96
90) Hexachlorobutadiene	15.507	225	35119	18.933	ug/l	96
91) Naphthalene	15.648	128	245544	19.834	ug/l	100
92) 1,2,3-Trichlorobenzene	15.842	180	72950	18.667	ug/l	98

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

