

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072002.D
 Acq On : 15 Apr 2022 14:46
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

04/18/2022
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Apr 15 23:27:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	112508	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	599741	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	553333	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.428	65	216727	27.341	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.133%
60) 4-Bromofluorobenzene	12.727	95	245713	29.948	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.833%
63) Toluene-d8	10.439	98	755683	30.085	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.267%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	162082	23.145	ug/l	98
3) Chloromethane	2.299	50	164112	19.884	ug/l	98
4) Vinyl Chloride	2.440	62	169413	17.898	ug/l	98
5) Bromomethane	2.846	94	105628	18.938	ug/l	98
6) Chloroethane	3.010	64	103054	17.002	ug/l	99
7) Trichlorofluoromethane	3.375	101	225054	20.393	ug/l	97
8) Diethyl Ether	3.822	74	85780	18.499	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	135390	20.485	ug/l #	63
10) 1,1-Dichloroethene	4.181	96	126018	19.333	ug/l	92
11) Methyl Iodide	4.422	142	172893	18.101	ug/l	89
12) Methyl Acetate	4.851	43	171199	18.637	ug/l	99
13) Acrolein	4.040	56	54763	56.037	ug/l	98
14) Acrylonitrile	5.545	53	417518	100.356	ug/l	97
15) Acetone	4.281	58	101932	85.136	ug/l	81
16) Carbon Disulfide	4.534	76	337380	19.880	ug/l	98
17) Allyl chloride	4.840	41	184744	17.475	ug/l	84
18) Methylene Chloride	5.093	84	160210	20.489	ug/l	90
19) trans-1,2-Dichloroethene	5.598	96	149099	21.387	ug/l	99
20) Diisopropyl ether	6.487	45	438720	19.833	ug/l	94
21) 1,1-Dichloroethane	6.381	63	272591	20.411	ug/l	95
22) cis-1,2-Dichloroethene	7.316	96	176470	20.835	ug/l	93
23) tert-Butyl Alcohol	5.357	59	116808	78.683	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	460027	19.556	ug/l #	88
25) Chloroform	7.816	83	277122	20.632	ug/l	98
26) Cyclohexane	8.092	56	234455	20.310	ug/l #	96
29) 1,1-Dichloropropene	8.216	75	206614	21.284	ug/l	99
30) 2-Butanone	7.328	43	508382	94.083	ug/l	95
31) 2,2-Dichloropropane	7.322	77	214119	19.362	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	236977	20.960	ug/l	99
33) Carbon Tetrachloride	8.198	117	204049	21.321	ug/l	99
34) Benzene	8.457	78	649585	21.538	ug/l	96
35) Methacrylonitrile	7.628	41	95086	18.341	ug/l	90
36) 1,2-Dichloroethane	8.522	62	208347	19.802	ug/l #	93
37) Trichloroethene	9.210	130	168265	21.622	ug/l	96
38) Methylcyclohexane	9.457	83	261879	21.403	ug/l	99
39) 1,2-Dichloropropane	9.486	63	161363	21.385	ug/l	100
40) Dibromomethane	9.575	93	108665	21.276	ug/l	85
41) Bromodichloromethane	9.757	83	215943	21.128	ug/l	98
42) Vinyl Acetate	6.428	43	1793087	96.846	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	209540	19.998	ug/l	98
44) Isopropyl Acetate	8.557	43	308841	18.378	ug/l	92
45) 1,4-Dioxane	9.563	88	64544	380.668	ug/l #	95
46) Methyl methacrylate	9.557	41	132897	18.033	ug/l	74
47) n-amyl Acetate	12.380	43	197223	17.587	ug/l #	87
48) t-1,3-Dichloropropene	10.716	75	222583	20.036	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	253611	20.876	ug/l #	82
50) 1,1,2-Trichloroethane	10.892	97	168266	22.038	ug/l	99
51) Ethyl methacrylate	10.757	69	247254	20.973	ug/l	76
52) 1,3-Dichloropropane	11.039	76	281064	21.555	ug/l	98
53) Dibromochloromethane	11.233	129	175964	22.263	ug/l	99
54) 1,2-Dibromoethane	11.339	107	170177	21.667	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	404446	127.329	ug/l	98
56) Bromoform	12.451	173	132192	21.692	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	1032979	98.343	ug/l #	88
59) 2-Hexanone	11.080	43	725931	94.658	ug/l #	87
61) Tetrachloroethene	10.975	164	157495	23.387	ug/l	87
62) Toluene	10.504	91	737491	21.980	ug/l	97
64) Chlorobenzene	11.763	112	450687	21.777	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	164077	21.611	ug/l	99
66) Ethyl Benzene	11.839	91	778479	21.351	ug/l	97
67) m/p-Xylenes	11.951	106	611124	43.084	ug/l	97
68) o-Xylene	12.274	106	301791	21.406	ug/l	93
69) Styrene	12.292	104	475392	21.425	ug/l	95
70) Isopropylbenzene	12.574	105	749944	21.194	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	243157	21.114	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	208661m	21.090	ug/l	
73) Bromobenzene	12.857	156	180514	20.912	ug/l	94
74) n-propylbenzene	12.916	91	819063	21.208	ug/l	98
75) 2-Chlorotoluene	13.004	91	506211	20.975	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	617501	21.752	ug/l	94
77) t-1,4-Dichloro-2-butene	12.621	75	63352	18.236	ug/l	90
78) 4-Chlorotoluene	13.098	91	471182	20.904	ug/l	99
79) tert-butylbenzene	13.316	119	541431	21.135	ug/l	92
80) 1,2,4-Trimethylbenzene	13.363	105	600532	21.802	ug/l #	80
81) sec-Butylbenzene	13.498	105	722097	20.978	ug/l	98
82) p-Isopropyltoluene	13.610	119	589378	21.074	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	300444	21.270	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	283601	21.035	ug/l	98
85) n-Butylbenzene	13.939	91	405841	19.537	ug/l	95
86) Hexachloroethane	14.204	117	103821	19.879	ug/l	75
87) 1,2-Dichlorobenzene	13.986	146	291567	21.351	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	37436	18.270	ug/l #	81
89) 1,2,4-Trichlorobenzene	15.257	180	127577	20.210	ug/l	95
90) Hexachlorobutadiene	15.362	225	87612	23.422	ug/l	98
91) Naphthalene	15.504	128	312470	19.731	ug/l	98
92) 1,2,3-Trichlorobenzene	15.698	180	124004	20.030	ug/l	98

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

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