

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072221\
 Data File : VN067856.D
 Acq On : 22 Jul 2021 9:55
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 7/27/2021 3:38:53 PM

Quant Time: Jul 24 07:12:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	66023	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	380094	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	356543	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	167623	31.426	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.767%	
60) 4-Bromofluorobenzene	12.733	95	170530	29.451	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 98.167%	
63) Toluene-d8	10.443	98	500570	30.524	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.733%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	75803	22.466	ug/l	95
3) Chloromethane	2.303	50	88117	20.909	ug/l	97
4) Vinyl Chloride	2.443	62	137998	21.049	ug/l	96
5) Bromomethane	2.864	94	113396	20.773	ug/l	97
6) Chloroethane	3.022	64	106155	21.743	ug/l	99
7) Trichlorofluoromethane	3.373	101	272624	22.410	ug/l	100
8) Diethyl Ether	3.824	74	49501	21.875	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.205	101	79624	23.026	ug/l	98
10) 1,1-Dichloroethene	4.175	96	70400	21.982	ug/l	99
11) Methyl Iodide	4.422	142	89005	21.020	ug/l	99
12) Methyl Acetate	4.859	43	98727	22.585	ug/l	99
13) Acrolein	4.039	56	50322	109.901	ug/l #	43
14) Acrylonitrile	5.557	53	208094	108.260	ug/l #	89
15) Acetone	4.285	58	58522	122.820	ug/l	96
16) Carbon Disulfide	4.527	76	172887	20.442	ug/l	100
17) Allyl chloride	4.835	41	118870	21.093	ug/l	95
18) Methylene Chloride	5.095	84	89482	20.189	ug/l	96
19) trans-1,2-Dichloroethene	5.594	96	81979	21.467	ug/l	93
20) Diisopropyl ether	6.498	45	281488	21.095	ug/l	98
21) 1,1-Dichloroethane	6.385	63	155984	21.249	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	99060	21.022	ug/l #	85
23) tert-Butyl Alcohol	5.380	59	73185	103.292	ug/l #	100
24) Methyl tert-Butyl Ether	5.624	73	285063m	21.558	ug/l	
25) Chloroform	7.820	83	172728	21.146	ug/l	99
26) Cyclohexane	8.094	56	132327	20.688	ug/l #	100
29) 1,1-Dichloropropene	8.225	75	120667	20.234	ug/l	97
30) 2-Butanone	7.340	43	294955	106.803	ug/l	98
31) 2,2-Dichloropropane	7.327	77	137372	20.648	ug/l	100
32) 1,1,1-Trichloroethane	8.013	97	151276	20.657	ug/l	100
33) Carbon Tetrachloride	8.206	117	126351	20.206	ug/l	94
34) Benzene	8.461	78	376200	21.104	ug/l	99
35) Methacrylonitrile	7.638	41	61213	21.562	ug/l	94
36) 1,2-Dichloroethane	8.531	62	142621	21.492	ug/l	99
37) Trichloroethene	9.217	130	98600	21.291	ug/l	99
38) Methylcyclohexane	9.461	83	134334	20.338	ug/l	99
39) 1,2-Dichloropropane	9.494	63	96018	21.122	ug/l	98
40) Dibromomethane	9.577	93	69810	21.355	ug/l	99
41) Bromodichloromethane	9.762	83	134818	21.009	ug/l	99
42) Vinyl Acetate	6.434	43	1180278	107.428	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	117829	21.104	ug/l	96
44) Isopropyl Acetate	8.563	43	208805	20.597	ug/l	99
45) 1,4-Dioxane	9.571	88	31171	406.041	ug/l	95
46) Methyl methacrylate	9.561	41	87388	19.968	ug/l	96
47) n-amyl Acetate	12.390	43	166269	19.980	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	141962	20.529	ug/l	94
49) cis-1,3-Dichloropropene	10.191	75	145748	19.855	ug/l	98
50) 1,1,2-Trichloroethane	10.899	97	98559	21.127	ug/l	97
51) Ethyl methacrylate	10.762	69	145407	20.044	ug/l	95
52) 1,3-Dichloropropane	11.047	76	163016	21.134	ug/l	98
53) Dibromochloromethane	11.240	129	96407	19.742	ug/l	98
54) 1,2-Dibromoethane	11.347	107	97099	20.178	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	135632	96.667	ug/l	99
56) Bromoform	12.463	173	61073	17.850	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	646832	105.653	ug/l	99
59) 2-Hexanone	11.087	43	455272	106.061	ug/l	98
61) Tetrachloroethene	10.977	164	95201	21.737	ug/l	94
62) Toluene	10.507	91	428555	20.435	ug/l	99
64) Chlorobenzene	11.771	112	259973	20.698	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	95721	20.686	ug/l	99
66) Ethyl Benzene	11.846	91	469880	20.248	ug/l	100
67) m/p-Xylenes	11.956	106	361876	40.883	ug/l	97
68) o-Xylene	12.283	106	175651	20.103	ug/l	100
69) Styrene	12.296	104	287730	19.914	ug/l	99
70) Isopropylbenzene	12.581	105	450877	19.996	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	134370	20.989	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	116994m	21.982	ug/l	
73) Bromobenzene	12.862	156	102503	19.778	ug/l	99
74) n-propylbenzene	12.924	91	533232	20.638	ug/l	99
75) 2-Chlorotoluene	13.010	91	317467	20.472	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	379997	20.470	ug/l	100
77) t-1,4-Dichloro-2-butene	12.626	75	34648	19.290	ug/l	95
78) 4-Chlorotoluene	13.106	91	315700	20.419	ug/l	100
79) tert-butylbenzene	13.326	119	315850	19.816	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	373162m	20.243	ug/l	
81) sec-Butylbenzene	13.503	105	448039	20.263	ug/l	99
82) p-Isopropyltoluene	13.619	119	368088	20.001	ug/l	99
83) 1,3-Dichlorobenzene	13.616	146	192632	19.903	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	186097	19.739	ug/l	100
85) n-Butylbenzene	13.943	91	308537	20.208	ug/l	98
86) Hexachloroethane	14.214	117	59085	19.299	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	181008	19.589	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.606	75	22811	19.916	ug/l	96
89) 1,2,4-Trichlorobenzene	15.265	180	79643	18.904	ug/l	99
90) Hexachlorobutadiene	15.373	225	40594	20.046	ug/l	96
91) Naphthalene	15.509	128	219592	18.346	ug/l	98
92) 1,2,3-Trichlorobenzene	15.702	180	75355	18.669	ug/l	98

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

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