

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061621\
 Data File : VN067363.D
 Acq On : 16 Jun 2021 14:48
 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
 6/17/2021 3:09:23 PM

Quant Time: Jun 17 04:18:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N061121W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 12 09:13:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	61520	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	370529	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.749	117	337015	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	199399	30.84	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	102.80%		
60) 4-Bromofluorobenzene	12.733	95	189157	29.07	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.90%		
63) Toluene-d8	10.443	98	492565	30.65	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.17%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.070	85	82181	17.91	ug/l	94
3) Chloromethane	2.301	50	90595	18.41	ug/l	97
4) Vinyl Chloride	2.443	62	85416	17.58	ug/l	96
5) Bromomethane	2.840	94	44972	18.44	ug/l	98
6) Chloroethane	3.009	64	53003	18.69	ug/l	96
7) Trichlorofluoromethane	3.365	101	113383	17.48	ug/l	94
8) Diethyl Ether	3.818	74	49806	18.84	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.199	101	69834	18.21	ug/l	97
10) 1,1-Dichloroethene	4.173	96	66489	17.84	ug/l	95
11) Methyl Iodide	4.411	142	66904	14.93	ug/l	98
12) Methyl Acetate	4.859	43	106377	19.24	ug/l	96
13) Acrolein	4.038	56	72851	110.43	ug/l	97
14) Acrylonitrile	5.556	53	227679	98.10	ug/l	99
15) Acetone	4.291	58	64094	110.41	ug/l	99
16) Carbon Disulfide	4.521	76	215230	18.22	ug/l	98
17) Allyl chloride	4.835	41	146357	18.05	ug/l	96
18) Methylene Chloride	5.095	84	91293m	19.97	ug/l	
19) trans-1,2-Dichloroethene	5.594	96	76345	18.79	ug/l	95
20) Diisopropyl ether	6.500	45	294505	18.72	ug/l	99
21) 1,1-Dichloroethane	6.382	63	166121	19.06	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	93633	19.40	ug/l	99
23) tert-Butyl Alcohol	5.390	59	91415	88.86	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	305173	19.27	ug/l #	74
25) Chloroform	7.820	83	167671	18.79	ug/l	100
26) Cyclohexane	8.091	56	141886	18.79	ug/l #	97
29) 1,1-Dichloropropene	8.222	75	122045	18.40	ug/l	97
30) 2-Butanone	7.340	43	340095	99.90	ug/l	99
31) 2,2-Dichloropropane	7.324	77	151029	21.26	ug/l	98
32) 1,1,1-Trichloroethane	8.013	97	145136	17.22	ug/l	98
33) Carbon Tetrachloride	8.206	117	115443	16.30	ug/l	96
34) Benzene	8.461	78	355706	19.07	ug/l	98
35) Methacrylonitrile	7.638	41	72145	19.66	ug/l	97
36) 1,2-Dichloroethane	8.533	62	152115	19.17	ug/l #	91
37) Trichloroethene	9.217	130	79312	17.96	ug/l	100
38) Methylcyclohexane	9.461	83	139028	20.35	ug/l	99
39) 1,2-Dichloropropane	9.494	63	97440	19.35	ug/l	100
40) Dibromomethane	9.577	93	65950	19.07	ug/l	98
41) Bromodichloromethane	9.764	83	140150	18.80	ug/l	97
42) Vinyl Acetate	6.433	43	1368174m	95.49	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	130429	18.83	ug/l #	72
44) Isopropyl Acetate	8.566	43	240756	18.80	ug/l	98
45) 1,4-Dioxane	9.574	88	31684	380.06	ug/l #	90
46) Methyl methacrylate	9.563	41	105174	18.49	ug/l	98
47) n-amyl Acetate	12.390	43	191618	17.65	ug/l	100
48) t-1,3-Dichloropropene	10.722	75	155323	18.86	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	162086	19.59	ug/l	97
50) 1,1,2-Trichloroethane	10.902	97	88695	19.74	ug/l	96
51) Ethyl methacrylate	10.762	69	154749	18.85	ug/l	100
52) 1,3-Dichloropropane	11.046	76	159892	19.54	ug/l	99
53) Dibromochloromethane	11.240	129	86028	17.22	ug/l	99
54) 1,2-Dibromoethane	11.349	107	86333	18.42	ug/l	99
55) 2-Chloroethyl vinyl ether	10.043	63	224832	108.08	ug/l	100
56) Bromoform	12.460	173	56606	16.69	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	700723	94.59	ug/l	99
59) 2-Hexanone	11.089	43	505110	94.29	ug/l	99
61) Tetrachloroethene	10.982	164	72649	18.60	ug/l	99
62) Toluene	10.507	91	386344	19.15	ug/l	98
64) Chlorobenzene	11.773	112	219236	18.50	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.846	131	79087	17.66	ug/l	97
66) Ethyl Benzene	11.848	91	426268	18.20	ug/l	99
67) m/p-Xylenes	11.956	106	297942	36.06	ug/l	99
68) o-Xylene	12.283	106	150483	18.24	ug/l	97
69) Styrene	12.299	104	254133	18.33	ug/l	99
70) Isopropylbenzene	12.583	105	391885	18.45	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.833	83	125734	19.45	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	125694m	19.52	ug/l	
73) Bromobenzene	12.865	156	79617	18.01	ug/l	96
74) n-propylbenzene	12.924	91	480443	18.81	ug/l	99
75) 2-Chlorotoluene	13.010	91	293197	18.13	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	336089	18.67	ug/l	97
77) t-1,4-Dichloro-2-butene	12.629	75	41779	18.62	ug/l	94
78) 4-Chlorotoluene	13.109	91	291301	18.12	ug/l	100
79) tert-butylbenzene	13.326	119	258154	17.85	ug/l	98
80) 1,2,4-Trimethylbenzene	13.372	105	326308m	18.36	ug/l	
81) sec-Butylbenzene	13.506	105	380303	18.94	ug/l	100
82) p-Isopropyltoluene	13.618	119	301129	18.60	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	145068	18.20	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	144255	18.03	ug/l	98
85) n-Butylbenzene	13.946	91	295558	19.62	ug/l	99
86) Hexachloroethane	14.214	117	55608	16.79	ug/l	97
87) 1,2-Dichlorobenzene	13.991	146	140293	18.03	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.605	75	27832	17.00	ug/l	99
89) 1,2,4-Trichlorobenzene	15.268	180	71291	18.02	ug/l	98
90) Hexachlorobutadiene	15.375	225	37317	17.77	ug/l	100
91) Naphthalene	15.509	128	223647	16.84	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	66606	17.31	ug/l	96

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

