

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042321\
 Data File : VN066752.D
 Acq On : 23 Apr 2021 20:55
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 4/26/2021 4:54:42 PM

Quant Time: Apr 26 09:08:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Apr 21 16:55:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.111	128	49076	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.519	114	260526	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	238515	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.953	65	101743	28.77	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.90%		
60) 4-Bromofluorobenzene	12.346	95	109678	29.34	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.80%		
63) Toluene-d8	10.029	98	336070	30.62	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.07%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.835	85	43722	18.09	ug/l	98
3) Chloromethane	2.037	50	69664	18.53	ug/l	99
4) Vinyl Chloride	2.163	62	69949	19.52	ug/l	98
5) Bromomethane	2.522	94	45243	21.48	ug/l	95
6) Chloroethane	2.664	64	43268	19.79	ug/l	96
7) Trichlorofluoromethane	2.975	101	79879	20.01	ug/l	99
8) Diethyl Ether	3.359	74	34517	19.48	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.697	101	48472	19.15	ug/l	98
10) 1,1-Dichloroethene	3.678	96	49929	19.57	ug/l	88
11) Methyl Iodide	3.890	142	73176	18.94	ug/l	96
12) Methyl Acetate	4.255	43	66608	19.15	ug/l	99
13) Acrolein	3.549	56	51336	104.39	ug/l	95
14) Acrylonitrile	4.896	53	145331	95.12	ug/l	98
15) Acetone	3.756	58	37766	94.17	ug/l	82
16) Carbon Disulfide	3.986	76	145600	18.51	ug/l	98
17) Allyl chloride	4.249	41	95212	18.83	ug/l	88
18) Methylene Chloride	4.472	84	64113	19.64	ug/l	99
19) trans-1,2-Dichloroethene	4.952	96	55556	19.24	ug/l	93
20) Diisopropyl ether	5.866	45	203996	19.18	ug/l	99
21) 1,1-Dichloroethane	5.759	63	111243	19.46	ug/l	99
22) cis-1,2-Dichloroethene	6.741	96	65344	19.51	ug/l	98
23) tert-Butyl Alcohol	4.700	59	47467	91.27	ug/l #	100
24) Methyl tert-Butyl Ether	4.960	73	171662	19.30	ug/l	94
25) Chloroform	7.293	83	107678	19.66	ug/l	98
26) Cyclohexane	7.578	56	89632	18.23	ug/l #	97
29) 1,1-Dichloropropene	7.717	75	76315	18.60	ug/l	100
30) 2-Butanone	6.746	43	177232	89.50	ug/l	99
31) 2,2-Dichloropropane	6.738	77	82713	17.50	ug/l	97
32) 1,1,1-Trichloroethane	7.489	97	88836	19.18	ug/l	98
33) Carbon Tetrachloride	7.698	117	74816	19.13	ug/l	97
34) Benzene	7.969	78	254769	19.27	ug/l	97
35) Methacrylonitrile	7.089	41	35189	18.46	ug/l	96
36) 1,2-Dichloroethane	8.052	62	78252	18.03	ug/l	97
37) Trichloroethene	8.771	130	59468	18.92	ug/l	99
38) Methylcyclohexane	9.015	83	86777	17.74	ug/l	97
39) 1,2-Dichloropropane	9.053	63	68995	19.11	ug/l	99
40) Dibromomethane	9.144	93	41050	18.97	ug/l	98
41) Bromodichloromethane	9.340	83	85633	18.85	ug/l	98
42) Vinyl Acetate	5.807	43	816874	92.02	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.845	43	78383	18.00	ug/l #	85
44) Isopropyl Acetate	8.095	43	130701	17.99	ug/l #	89
45) 1,4-Dioxane	9.136	88	19131	361.95	ug/l	99
46) Methyl methacrylate	9.136	41	56418	17.00	ug/l	88
47) n-amyl Acetate	12.030	43	28108m	7.01	ug/l	
48) t-1,3-Dichloropropene	10.324	75	88671	17.86	ug/l	99
49) cis-1,3-Dichloropropene	9.777	75	101993	18.59	ug/l #	89
50) 1,1,2-Trichloroethane	10.501	97	61271	19.26	ug/l	98
51) Ethyl methacrylate	10.372	69	80124	17.83	ug/l	89
52) 1,3-Dichloropropane	10.646	76	100742	18.60	ug/l	99
53) Dibromochloromethane	10.842	129	64956	18.88	ug/l	100
54) 1,2-Dibromoethane	10.946	107	59404	18.62	ug/l	98
55) 2-Chloroethyl vinyl ether	9.635	63	97526	141.92	ug/l	99
56) Bromoform	12.075	173	45092	18.18	ug/l #	98
58) 4-Methyl-2-Pentanone	9.922	43	377305	92.88	ug/l	98
59) 2-Hexanone	10.694	43	231627	88.70	ug/l	97
61) Tetrachloroethene	10.571	164	52265	19.85	ug/l	99
62) Toluene	10.093	91	265034	19.58	ug/l	99
64) Chlorobenzene	11.375	112	156335	19.30	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.450	131	60698	19.97	ug/l	98
66) Ethyl Benzene	11.453	91	271581	18.77	ug/l	99
67) m/p-Xylenes	11.566	106	209607	38.60	ug/l	95
68) o-Xylene	11.890	106	102032	19.38	ug/l	99
69) Styrene	11.909	104	160301	18.93	ug/l	97
70) Isopropylbenzene	12.193	105	266863	19.40	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.448	83	90502	19.92	ug/l	99
72) 1,2,3-Trichloropropane	12.499	75	75445m	19.08	ug/l	
73) Bromobenzene	12.469	156	67856	19.50	ug/l	99
74) n-propylbenzene	12.534	91	297598	18.64	ug/l	99
75) 2-Chlorotoluene	12.617	91	185260	19.38	ug/l	100
76) 1,3,5-Trimethylbenzene	12.679	105	223780	19.23	ug/l	100
77) t-1,4-Dichloro-2-butene	12.250	75	20746	16.61	ug/l	92
78) 4-Chlorotoluene	12.719	91	179168	19.12	ug/l	98
79) tert-butylbenzene	12.936	119	190157	19.52	ug/l	98
80) 1,2,4-Trimethylbenzene	12.984	105	213683	19.15	ug/l	97
81) sec-Butylbenzene	13.116	105	245328	18.93	ug/l	99
82) p-Isopropyltoluene	13.234	119	214519	19.35	ug/l	99
83) 1,3-Dichlorobenzene	13.228	146	114218	19.77	ug/l	100
84) 1,4-Dichlorobenzene	13.309	146	104098	18.66	ug/l	94
85) n-Butylbenzene	13.561	91	166923	18.11	ug/l	98
86) Hexachloroethane	13.816	117	45145	19.34	ug/l	97
87) 1,2-Dichlorobenzene	13.599	146	117287	20.67	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.218	75	15389	19.72	ug/l	96
89) 1,2,4-Trichlorobenzene	14.854	180	70535	21.51	ug/l	96
90) Hexachlorobutadiene	14.948	225	36637	19.94	ug/l	99
91) Naphthalene	15.074	128	193307	24.51	ug/l	99
92) 1,2,3-Trichlorobenzene	15.251	180	68001	21.92	ug/l	96

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

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