

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
 Data File : VN066706.D
 Acq On : 22 Apr 2021 11:17
 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

4/23/2021 1:14:58 PM

Quant Time: Apr 23 06:27:55 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	7.114	128	48290	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.514	114	263911	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.348	117	237059	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.950	65	101773	29.25	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.346	95	107182	28.85	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.17%
63) Toluene-d8	10.026	98	332947	30.53	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.77%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.838	85	41783	17.57	ug/l	100
3) Chloromethane	2.037	50	64244	17.37	ug/l	99
4) Vinyl Chloride	2.165	62	60816	17.25	ug/l	100
5) Bromomethane	2.525	94	39918	19.26	ug/l	98
6) Chloroethane	2.664	64	38028	17.67	ug/l	94
7) Trichlorofluoromethane	2.975	101	70610	17.98	ug/l	98
8) Diethyl Ether	3.356	74	31075	17.82	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.697	101	45196	18.15	ug/l	99
10) 1,1-Dichloroethene	3.675	96	44819	17.86	ug/l	92
11) Methyl Iodide	3.890	142	67161	17.67	ug/l	97
12) Methyl Acetate	4.249	43	56154	16.41	ug/l	98
13) Acrolein	3.547	56	50317	103.99	ug/l	94
14) Acrylonitrile	4.893	53	121556	80.85	ug/l	97
15) Acetone	3.750	58	51136	129.58	ug/l	87
16) Carbon Disulfide	3.986	76	134715	17.41	ug/l	99
17) Allyl chloride	4.249	41	86791	17.45	ug/l	92
18) Methylene Chloride	4.472	84	56851	17.70	ug/l	98
19) trans-1,2-Dichloroethene	4.952	96	49935	17.57	ug/l	99
20) Diisopropyl ether	5.858	45	184448	17.62	ug/l	93
21) 1,1-Dichloroethane	5.757	63	99678	17.72	ug/l	98
22) cis-1,2-Dichloroethene	6.738	96	58564	17.77	ug/l	99
23) tert-Butyl Alcohol	4.692	59	38685m	75.59	ug/l	
24) Methyl tert-Butyl Ether	4.952	73	151076	17.26	ug/l	96
25) Chloroform	7.288	83	94152	17.47	ug/l	94
26) Cyclohexane	7.575	56	84754	17.52	ug/l	# 98
29) 1,1-Dichloropropene	7.717	75	70135	16.88	ug/l	99
30) 2-Butanone	6.743	43	174084	86.78	ug/l	99
31) 2,2-Dichloropropane	6.730	77	83304	17.40	ug/l	99
32) 1,1,1-Trichloroethane	7.489	97	78506	16.73	ug/l	98
33) Carbon Tetrachloride	7.696	117	65915	16.64	ug/l	92
34) Benzene	7.966	78	226979	16.95	ug/l	99
35) Methacrylonitrile	7.103	41	36833m	19.07	ug/l	
36) 1,2-Dichloroethane	8.050	62	72742	16.54	ug/l	99
37) Trichloroethene	8.768	130	54750	17.20	ug/l	95
38) Methylcyclohexane	9.012	83	84041	16.96	ug/l	97
39) 1,2-Dichloropropane	9.050	63	61218	16.74	ug/l	99
40) Dibromomethane	9.141	93	35457	16.18	ug/l	99
41) Bromodichloromethane	9.334	83	76165	16.55	ug/l	99
42) Vinyl Acetate	5.805	43	723514	80.46	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.843	43	63646	14.43	ug/l #	84
44) Isopropyl Acetate	8.090	43	114606	15.57	ug/l	90
45) 1,4-Dioxane	9.133	88	14315	267.36	ug/l	97
46) Methyl methacrylate	9.136	41	49850	14.83	ug/l	88
47) n-amyl Acetate	12.038	43	16139	3.97	ug/l #	88
48) t-1,3-Dichloropropene	10.321	75	80256	15.96	ug/l	96
49) cis-1,3-Dichloropropene	9.774	75	91841	16.53	ug/l #	89
50) 1,1,2-Trichloroethane	10.498	97	53466	16.59	ug/l	98
51) Ethyl methacrylate	10.370	69	68856	15.13	ug/l	90
52) 1,3-Dichloropropane	10.646	76	88539	16.14	ug/l	99
53) Dibromochloromethane	10.842	129	55376	15.89	ug/l	100
54) 1,2-Dibromoethane	10.946	107	51516	15.94	ug/l	100
55) 2-Chloroethyl vinyl ether	9.632	63	51046	73.33	ug/l	99
56) Bromoform	12.070	173	36948	14.70	ug/l #	99
58) 4-Methyl-2-Pentanone	9.919	43	321725	79.69	ug/l	98
59) 2-Hexanone	10.691	43	202388	77.98	ug/l	97
61) Tetrachloroethene	10.571	164	50744	19.39	ug/l	98
62) Toluene	10.091	91	237273	17.63	ug/l	99
64) Chlorobenzene	11.373	112	142087	17.65	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.448	131	52969	17.53	ug/l	98
66) Ethyl Benzene	11.453	91	245354	17.07	ug/l	100
67) m/p-Xylenes	11.563	106	183757	34.04	ug/l	99
68) o-Xylene	11.890	106	90604	17.31	ug/l	98
69) Styrene	11.909	104	137480	16.34	ug/l	98
70) Isopropylbenzene	12.191	105	234160	17.13	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.448	83	75173	16.65	ug/l	99
72) 1,2,3-Trichloropropane	12.496	75	63418m	16.14	ug/l	
73) Bromobenzene	12.467	156	57740	16.70	ug/l	98
74) n-propylbenzene	12.534	91	263729	16.62	ug/l	99
75) 2-Chlorotoluene	12.617	91	160017	16.84	ug/l	99
76) 1,3,5-Trimethylbenzene	12.676	105	194315	16.80	ug/l	100
77) t-1,4-Dichloro-2-butene	12.247	75	16568	13.35	ug/l	92
78) 4-Chlorotoluene	12.716	91	153122	16.44	ug/l	99
79) tert-butylbenzene	12.936	119	164915	17.04	ug/l	98
80) 1,2,4-Trimethylbenzene	12.982	105	183510	16.55	ug/l	100
81) sec-Butylbenzene	13.113	105	214431	16.65	ug/l	100
82) p-Isopropyltoluene	13.231	119	182846	16.59	ug/l	99
83) 1,3-Dichlorobenzene	13.229	146	98137	17.09	ug/l	99
84) 1,4-Dichlorobenzene	13.309	146	95515	17.23	ug/l	97
85) n-Butylbenzene	13.558	91	147497	16.10	ug/l	99
86) Hexachloroethane	13.813	117	36994	15.95	ug/l	98
87) 1,2-Dichlorobenzene	13.596	146	96972	17.20	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.221	75	10951	14.12	ug/l	93
89) 1,2,4-Trichlorobenzene	14.851	180	57716	17.71	ug/l	99
90) Hexachlorobutadiene	14.945	225	32509	17.80	ug/l	99
91) Naphthalene	15.071	128	140681	17.95	ug/l	100
92) 1,2,3-Trichlorobenzene	15.248	180	55978	18.16	ug/l	100

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

