

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100821\
 Data File : VN068848.D
 Acq On : 8 Oct 2021 14:38
 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
 10/13/2021 12:37:51 PM

Quant Time: Oct 11 04:51:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 08:56:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	68289	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	368861	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	348603	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	164116	31.18	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	103.93%		
60) 4-Bromofluorobenzene	12.734	95	151656	27.85	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.83%		
63) Toluene-d8	10.443	98	498116	31.61	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	105.37%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	48813	16.12	ug/l	100
3) Chloromethane	2.303	50	68431	17.66	ug/l	100
4) Vinyl Chloride	2.446	62	134309	17.78	ug/l	98
5) Bromomethane	2.861	94	135882	18.53	ug/l	97
6) Chloroethane	3.022	64	125350	20.41	ug/l	98
7) Trichlorofluoromethane	3.376	101	124453	19.75	ug/l	97
8) Diethyl Ether	3.829	74	39701	18.39	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.213	101	70197m	19.24	ug/l	
10) 1,1-Dichloroethene	4.183	96	60387	17.93	ug/l	98
11) Methyl Iodide	4.428	142	80366	19.79	ug/l	98
12) Methyl Acetate	4.857	43	105574	18.15	ug/l	98
13) Acrolein	4.049	56	14244	58.34	ug/l	99
14) Acrylonitrile	5.554	53	171261	91.70	ug/l	97
15) Acetone	4.288	58	45139	87.25	ug/l	97
16) Carbon Disulfide	4.537	76	152297	16.70	ug/l	99
17) Allyl chloride	4.849	41	95092	17.77	ug/l	92
18) Methylene Chloride	5.098	84	79897	18.89	ug/l	98
19) trans-1,2-Dichloroethene	5.602	96	71574	17.98	ug/l	96
20) Diisopropyl ether	6.495	45	230470	18.53	ug/l	98
21) 1,1-Dichloroethane	6.388	63	137469	19.03	ug/l	98
22) cis-1,2-Dichloroethene	7.327	96	87367	18.04	ug/l	99
23) tert-Butyl Alcohol	5.364	59	62143m	89.67	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	235769	17.82	ug/l	99
25) Chloroform	7.818	83	163052	19.15	ug/l	100
26) Cyclohexane	8.099	56	107580	17.11	ug/l #	99
29) 1,1-Dichloropropene	8.223	75	108308	18.48	ug/l	98
30) 2-Butanone	7.335	43	240150	91.21	ug/l	99
31) 2,2-Dichloropropane	7.329	77	124323	18.46	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	142830	19.01	ug/l	95
33) Carbon Tetrachloride	8.209	117	126333	18.92	ug/l	99
34) Benzene	8.461	78	330098	18.98	ug/l	98
35) Methacrylonitrile	7.641	41	44929m	17.03	ug/l	
36) 1,2-Dichloroethane	8.531	62	127503	19.60	ug/l	99
37) Trichloroethene	9.218	130	86695	18.86	ug/l	93
38) Methylcyclohexane	9.462	83	122497	16.88	ug/l	98
39) 1,2-Dichloropropane	9.491	63	84376	19.59	ug/l	98
40) Dibromomethane	9.577	93	65673	19.32	ug/l	97
41) Bromodichloromethane	9.765	83	130102	19.52	ug/l	94
42) Vinyl Acetate	6.434	43	890714m	91.36	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	92785	17.63	ug/l	99
44) Isopropyl Acetate	8.560	43	173698	18.22	ug/l	100
45) 1,4-Dioxane	9.569	88	33585	435.16	ug/l	100
46) Methyl methacrylate	9.561	41	73196	17.36	ug/l	95
47) n-amyl Acetate	12.390	43	127938	15.85	ug/l	96
48) t-1,3-Dichloropropene	10.719	75	126632	17.48	ug/l	98
49) cis-1,3-Dichloropropene	10.191	75	134313	18.13	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	89638	19.02	ug/l	96
51) Ethyl methacrylate	10.762	69	116786	16.46	ug/l	96
52) 1,3-Dichloropropane	11.047	76	144169	18.91	ug/l	97
53) Dibromochloromethane	11.240	129	95861	17.91	ug/l	97
54) 1,2-Dibromoethane	11.347	107	90038	18.22	ug/l	99
55) 2-Chloroethyl vinyl ether	10.044	63	145238	73.30	ug/l	99
56) Bromoform	12.460	173	64498	16.71	ug/l #	97
58) 4-Methyl-2-Pentanone	10.331	43	540138	91.80	ug/l	99
59) 2-Hexanone	11.087	43	374710	87.42	ug/l	98
61) Tetrachloroethene	10.980	164	81189	19.87	ug/l	94
62) Toluene	10.505	91	393466	18.88	ug/l	99
64) Chlorobenzene	11.773	112	237625	18.58	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.843	131	92690	18.69	ug/l	99
66) Ethyl Benzene	11.846	91	422353	17.98	ug/l	98
67) m/p-Xylenes	11.956	106	325616	35.91	ug/l	99
68) o-Xylene	12.283	106	156663	17.55	ug/l	97
69) Styrene	12.296	104	255712	17.36	ug/l	99
70) Isopropylbenzene	12.581	105	416122	17.58	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	127778	19.16	ug/l	98
72) 1,2,3-Trichloropropane	12.881	75	104474m	19.33	ug/l	
73) Bromobenzene	12.862	156	96328	17.98	ug/l	97
74) n-propylbenzene	12.924	91	490307	18.07	ug/l	99
75) 2-Chlorotoluene	13.010	91	289396	18.27	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	349510	17.88	ug/l	98
77) t-1,4-Dichloro-2-butene	12.626	75	33954	16.11	ug/l	99
78) 4-Chlorotoluene	13.109	91	276595	17.63	ug/l	97
79) tert-butylbenzene	13.326	119	297936	17.46	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	342365m	17.67	ug/l	
81) sec-Butylbenzene	13.503	105	432994	17.70	ug/l	98
82) p-Isopropyltoluene	13.619	119	345757	17.06	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	180337	18.14	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	164326	17.38	ug/l	98
85) n-Butylbenzene	13.946	91	276241	16.57	ug/l	98
86) Hexachloroethane	14.214	117	67209	17.62	ug/l	98
87) 1,2-Dichlorobenzene	13.989	146	166928	18.16	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	21249	17.81	ug/l	97
89) 1,2,4-Trichlorobenzene	15.268	180	67246	14.89	ug/l	96
90) Hexachlorobutadiene	15.373	225	43676	19.40	ug/l	99
91) Naphthalene	15.509	128	147114	11.54	ug/l	99
92) 1,2,3-Trichlorobenzene	15.705	180	65960	15.24	ug/l	96

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

