

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100521\
 Data File : VN068800.D
 Acq On : 5 Oct 2021 13:12
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/6/2021 7:02:44 PM

Quant Time: Oct 05 15:51:53 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	7.659	128	81369	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	431878	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	416906	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	200598	31.98	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	106.60%	
60) 4-Bromofluorobenzene	12.734	95	191050	29.33	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.77%	
63) Toluene-d8	10.443	98	580324	30.80	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	102.67%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	64284	17.81	ug/l	95
3) Chloromethane	2.303	50	87460	18.94	ug/l	95
4) Vinyl Chloride	2.446	62	164423	18.26	ug/l	99
5) Bromomethane	2.853	94	174177	19.93	ug/l	97
6) Chloroethane	3.019	64	151525	20.70	ug/l	95
7) Trichlorofluoromethane	3.376	101	146754	19.54	ug/l	96
8) Diethyl Ether	3.832	74	55751	21.68	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.221	101	83671	19.24	ug/l #	72
10) 1,1-Dichloroethene	4.192	96	73733	18.38	ug/l	96
11) Methyl Iodide	4.428	142	101973	21.07	ug/l	98
12) Methyl Acetate	4.857	43	148088	21.37	ug/l	99
13) Acrolein	4.044	56	23804	81.83	ug/l	95
14) Acrylonitrile	5.557	53	231774	104.15	ug/l	98
15) Acetone	4.285	58	65799	106.74	ug/l	95
16) Carbon Disulfide	4.537	76	190131	17.50	ug/l	97
17) Allyl chloride	4.846	41	123218	19.33	ug/l	96
18) Methylene Chloride	5.101	84	102724	20.38	ug/l	97
19) trans-1,2-Dichloroethene	5.605	96	87355	18.42	ug/l	95
20) Diisopropyl ether	6.498	45	301917	20.37	ug/l	99
21) 1,1-Dichloroethane	6.393	63	172636	20.06	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	113950	19.75	ug/l	96
23) tert-Butyl Alcohol	5.369	59	91979m	111.39	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	325131	20.63	ug/l	99
25) Chloroform	7.818	83	209020	20.60	ug/l	98
26) Cyclohexane	8.099	56	133153	17.78	ug/l #	99
29) 1,1-Dichloropropene	8.223	75	134050	19.53	ug/l	97
30) 2-Butanone	7.332	43	341395	110.75	ug/l	99
31) 2,2-Dichloropropane	7.327	77	153789	19.50	ug/l	99
32) 1,1,1-Trichloroethane	8.013	97	179180	20.37	ug/l	98
33) Carbon Tetrachloride	8.209	117	156587	20.03	ug/l	98
34) Benzene	8.461	78	426324	20.94	ug/l	97
35) Methacrylonitrile	7.638	41	66784	21.62	ug/l	98
36) 1,2-Dichloroethane	8.531	62	173245	22.74	ug/l	100
37) Trichloroethene	9.218	130	106345	19.75	ug/l	88
38) Methylcyclohexane	9.462	83	155659	18.32	ug/l	100
39) 1,2-Dichloropropane	9.491	63	108662	21.55	ug/l	98
40) Dibromomethane	9.577	93	90020	22.61	ug/l	96
41) Bromodichloromethane	9.765	83	170516	21.85	ug/l	96
42) Vinyl Acetate	6.434	43	1229392	107.70	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.413	43	135917	22.06	ug/l	100
44) Isopropyl Acetate	8.560	43	241762	21.66	ug/l	98
45) 1,4-Dioxane	9.569	88	45978	508.80	ug/l	99
46) Methyl methacrylate	9.561	41	104654	21.20	ug/l	98
47) n-amyl Acetate	12.388	43	195237	20.66	ug/l	98
48) t-1,3-Dichloropropene	10.722	75	171641	20.24	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	177757	20.50	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	118820	21.54	ug/l	97
51) Ethyl methacrylate	10.762	69	170213	20.49	ug/l	98
52) 1,3-Dichloropropane	11.044	76	196869	22.05	ug/l	98
53) Dibromochloromethane	11.240	129	133528	21.31	ug/l	99
54) 1,2-Dibromoethane	11.347	107	122195	21.11	ug/l	94
55) 2-Chloroethyl vinyl ether	10.044	63	177477	76.50	ug/l	99
56) Bromoform	12.457	173	91095	20.16	ug/l #	99
58) 4-Methyl-2-Pentanone	10.331	43	771162	109.59	ug/l	99
59) 2-Hexanone	11.087	43	563166	109.87	ug/l	98
61) Tetrachloroethene	10.980	164	99972	20.46	ug/l	96
62) Toluene	10.508	91	508378	20.40	ug/l	98
64) Chlorobenzene	11.771	112	312885	20.46	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	123656	20.84	ug/l	98
66) Ethyl Benzene	11.846	91	554756	19.75	ug/l	98
67) m/p-Xylenes	11.956	106	426996	39.37	ug/l	99
68) o-Xylene	12.283	106	207528	19.44	ug/l	99
69) Styrene	12.296	104	346963	19.69	ug/l	100
70) Isopropylbenzene	12.581	105	545203	19.26	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	177563	22.26	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	143422m	22.19	ug/l	
73) Bromobenzene	12.862	156	127251	19.86	ug/l	97
74) n-propylbenzene	12.921	91	635948	19.59	ug/l	99
75) 2-Chlorotoluene	13.010	91	377072	19.90	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	460200	19.68	ug/l	98
77) t-1,4-Dichloro-2-butene	12.629	75	48677	19.31	ug/l	96
78) 4-Chlorotoluene	13.106	91	364446	19.42	ug/l	98
79) tert-butylbenzene	13.326	119	394821	19.35	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	451754	19.49	ug/l #	81
81) sec-Butylbenzene	13.503	105	561395	19.19	ug/l	99
82) p-Isopropyltoluene	13.619	119	455584	18.80	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	235907	19.84	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	223112	19.73	ug/l	98
85) n-Butylbenzene	13.943	91	369461	18.53	ug/l	99
86) Hexachloroethane	14.211	117	88720	19.45	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	227152	20.66	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	31286	21.93	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	100019	18.52	ug/l	97
90) Hexachlorobutadiene	15.370	225	53328	19.81	ug/l	97
91) Naphthalene	15.507	128	274200	17.99	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	101395	19.58	ug/l	99

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

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