

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
 Data File : VN066324.D
 Acq On : 25 Mar 2021 11:07
 Operator : JC/MD
 Sample : VN0325WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Manual Integrations
 APPROVED

SAM
 3/29/2021 5:11:32 PM

Quant Time: Mar 26 04:38:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.102	128	80339	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.513	114	429245	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	372081	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	179121	29.01	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.70%	
60) 4-Bromofluorobenzene	12.345	95	171961	29.61	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.70%	
63) Toluene-d8	10.028	98	526957	30.18	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.60%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	86337	19.22	ug/l	94
3) Chloromethane	2.014	50	108733	19.25	ug/l	100
4) Vinyl Chloride	2.146	62	115416	19.44	ug/l	97
5) Bromomethane	2.516	94	86091	20.49	ug/l	97
6) Chloroethane	2.652	64	75179	19.77	ug/l	99
7) Trichlorofluoromethane	2.961	101	170787	19.94	ug/l	100
8) Diethyl Ether	3.342	74	57188	19.77	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.685	101	82717	19.74	ug/l	99
10) 1,1-Dichloroethene	3.661	96	81101	19.55	ug/l	95
11) Methyl Iodide	3.873	142	117756	19.73	ug/l	99
12) Methyl Acetate	4.235	43	129590	20.12	ug/l	100
13) Acrolein	3.532	56	35034	87.51	ug/l	97
14) Acrylonitrile	4.881	53	260307	97.99	ug/l #	90
15) Acetone	3.741	58	66883	86.47	ug/l	99
16) Carbon Disulfide	3.972	76	221099	19.24	ug/l	99
17) Allyl chloride	4.232	41	154593	20.62	ug/l	98
18) Methylene Chloride	4.457	84	95929	19.35	ug/l	99
19) trans-1,2-Dichloroethene	4.935	96	88939	19.49	ug/l	97
20) Diisopropyl ether	5.849	45	318844	19.38	ug/l	95
21) 1,1-Dichloroethane	5.747	63	177122	19.89	ug/l	99
22) cis-1,2-Dichloroethene	6.732	96	105288	19.27	ug/l	98
23) tert-Butyl Alcohol	4.699	59	103039	94.49	ug/l #	100
24) Methyl tert-Butyl Ether	4.937	73	309136	19.53	ug/l	99
25) Chloroform	7.284	83	177511	19.73	ug/l	96
26) Cyclohexane	7.571	56	153848	19.48	ug/l #	99
29) 1,1-Dichloropropene	7.711	75	128505	20.02	ug/l	98
30) 2-Butanone	6.737	43	353700	94.01	ug/l	99
31) 2,2-Dichloropropane	6.726	77	157365	19.79	ug/l	99
32) 1,1,1-Trichloroethane	7.485	97	154993	19.92	ug/l #	86
33) Carbon Tetrachloride	7.692	117	130874	19.92	ug/l	95
34) Benzene	7.963	78	392045	20.04	ug/l	99
35) Methacrylonitrile	7.078	41	63630	19.99	ug/l	100
36) 1,2-Dichloroethane	8.046	62	141325	19.72	ug/l	100
37) Trichloroethene	8.765	130	102967	20.18	ug/l	96
38) Methylcyclohexane	9.011	83	155881	19.63	ug/l	99
39) 1,2-Dichloropropane	9.049	63	102944	19.44	ug/l	98
40) Dibromomethane	9.140	93	68308	20.06	ug/l	99
41) Bromodichloromethane	9.336	83	141822	19.68	ug/l	97
42) Vinyl Acetate	5.790	43	1377802	97.17	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.831	43	148492	20.49	ug/l #	100
44) Isopropyl Acetate	8.089	43	254164	19.64	ug/l #	100
45) 1,4-Dioxane	9.146	88	33765	409.07	ug/l	97
46) Methyl methacrylate	9.132	41	114311	18.92	ug/l	98
47) n-amyl Acetate	12.021	43	95656	16.73	ug/l	99
48) t-1,3-Dichloropropene	10.323	75	153147	19.56	ug/l	99
49) cis-1,3-Dichloropropene	9.776	75	165525	19.67	ug/l	99
50) 1,1,2-Trichloroethane	10.500	97	96995	19.91	ug/l	98
51) Ethyl methacrylate	10.368	69	146807	19.25	ug/l	98
52) 1,3-Dichloropropane	10.647	76	159293	19.61	ug/l	100
53) Dibromochloromethane	10.843	129	108803	19.87	ug/l	100
54) 1,2-Dibromoethane	10.945	107	99051	19.75	ug/l	99
55) 2-Chloroethyl vinyl ether	9.631	63	86475	76.26	ug/l	99
56) Bromoform	12.072	173	78265	19.49	ug/l #	100
58) 4-Methyl-2-Pentanone	9.918	43	738332	99.04	ug/l	100
59) 2-Hexanone	10.693	43	487393	95.01	ug/l	99
61) Tetrachloroethene	10.570	164	109283	21.33	ug/l	99
62) Toluene	10.092	91	415780	20.18	ug/l	100
64) Chlorobenzene	11.374	112	242827	20.06	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.449	131	95912	20.20	ug/l	98
66) Ethyl Benzene	11.452	91	445673	20.08	ug/l	99
67) m/p-Xylenes	11.565	106	334865	40.60	ug/l	97
68) o-Xylene	11.889	106	162569	19.98	ug/l	100
69) Styrene	11.908	104	260980	20.01	ug/l	99
70) Isopropylbenzene	12.192	105	428683	20.02	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.447	83	135298	19.73	ug/l	99
72) 1,2,3-Trichloropropane	12.498	75	132383m	19.99	ug/l	
73) Bromobenzene	12.468	156	104086	19.72	ug/l	100
74) n-propylbenzene	12.536	91	473957	20.02	ug/l	99
75) 2-Chlorotoluene	12.619	91	280989	19.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.678	105	352415	20.00	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	42097	19.60	ug/l	93
78) 4-Chlorotoluene	12.718	91	280883	19.98	ug/l	99
79) tert-butylbenzene	12.938	119	303066	19.78	ug/l	98
80) 1,2,4-Trimethylbenzene	12.983	105	336559	19.69	ug/l	99
81) sec-Butylbenzene	13.115	105	389632	19.92	ug/l	100
82) p-Isopropyltoluene	13.233	119	347101	20.15	ug/l	99
83) 1,3-Dichlorobenzene	13.227	146	173889	20.09	ug/l	99
84) 1,4-Dichlorobenzene	13.308	146	166893	19.81	ug/l	98
85) n-Butylbenzene	13.557	91	279823	19.91	ug/l	99
86) Hexachloroethane	13.815	117	64373	20.24	ug/l	99
87) 1,2-Dichlorobenzene	13.598	146	177361	20.71	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.214	75	27818	19.88	ug/l	96
89) 1,2,4-Trichlorobenzene	14.850	180	110461	20.21	ug/l	98
90) Hexachlorobutadiene	14.949	225	60514	20.43	ug/l	100
91) Naphthalene	15.070	128	326144	19.60	ug/l	100
92) 1,2,3-Trichlorobenzene	15.250	180	106929	19.98	ug/l	100

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

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