

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021221\
 Data File : VN065835.D
 Acq On : 12 Feb 2021 13:50
 Operator : JC/MD
 Sample : VN0212WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0212WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2021 1:31:51 PM

Quant Time: Feb 13 01:00:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 03 14:50:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.148	128	34385	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	193472	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	171232	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.987	65	68146	28.57	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.23%	
60) 4-Bromofluorobenzene	12.370	95	82279	29.53	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.43%	
63) Toluene-d8	10.055	98	248527	30.19	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.63%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.837	85	38284	18.63	ug/l	95
3) Chloromethane	2.039	50	54960	18.24	ug/l	96
4) Vinyl Chloride	2.168	62	55833	18.74	ug/l	96
5) Bromomethane	2.538	94	35754	20.11	ug/l	99
6) Chloroethane	2.679	64	32014	18.62	ug/l	98
7) Trichlorofluoromethane	2.991	101	57668	18.67	ug/l	98
8) Diethyl Ether	3.377	74	27072	19.11	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.711	101	35952	19.04	ug/l	92
10) 1,1-Dichloroethene	3.692	96	38421	19.11	ug/l	95
11) Methyl Iodide	3.904	142	53216	18.79	ug/l	97
12) Methyl Acetate	4.283	43	41510	17.04	ug/l	99
13) Acrolein	3.570	56	37576	114.91	ug/l	100
14) Acrylonitrile	4.939	53	98901	91.38	ug/l	99
15) Acetone	3.782	58	27508	83.07	ug/l	97
16) Carbon Disulfide	4.000	76	110462	17.51	ug/l	97
17) Allyl chloride	4.271	41	64235	16.83	ug/l	94
18) Methylene Chloride	4.499	84	45712	19.29	ug/l	98
19) trans-1,2-Dichloroethene	4.984	96	41350	18.81	ug/l	93
20) Diisopropyl ether	5.907	45	133958	17.40	ug/l	98
21) 1,1-Dichloroethane	5.795	63	77658	18.28	ug/l	99
22) cis-1,2-Dichloroethene	6.782	96	47319	18.73	ug/l	96
23) tert-Butyl Alcohol	4.762	59	34898	90.13	ug/l #	100
24) Methyl tert-Butyl Ether	4.997	73	124464	18.52	ug/l	97
25) Chloroform	7.325	83	70467	18.28	ug/l	98
26) Cyclohexane	7.608	56	68051	17.12	ug/l #	95
29) 1,1-Dichloropropene	7.746	75	56692	18.15	ug/l	98
30) 2-Butanone	6.795	43	117880	84.29	ug/l	100
31) 2,2-Dichloropropane	6.772	77	57090	17.46	ug/l	99
32) 1,1,1-Trichloroethane	7.524	97	56178	18.13	ug/l	99
33) Carbon Tetrachloride	7.730	117	45907	17.93	ug/l	99
34) Benzene	8.000	78	176236	18.26	ug/l	95
35) Methacrylonitrile	7.126	41	21625	14.72	ug/l	98
36) 1,2-Dichloroethane	8.084	62	52962	18.27	ug/l	98
37) Trichloroethene	8.798	130	44330	19.02	ug/l	93
38) Methylcyclohexane	9.042	83	64213	17.34	ug/l	98
39) 1,2-Dichloropropane	9.081	63	49052	18.71	ug/l	98
40) Dibromomethane	9.174	93	27697	18.64	ug/l	83
41) Bromodichloromethane	9.367	83	52089	17.31	ug/l	97
42) Vinyl Acetate	5.846	43	515440	84.14	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	50158	17.51	ug/l	98
44) Isopropyl Acetate	8.129	43	83162	16.79	ug/l	95
45) 1,4-Dioxane	9.167	88	15925	387.63	ug/l	93
46) Methyl methacrylate	9.167	41	40678	17.14	ug/l	94
47) n-amyl Acetate	12.042	43	66958	16.16	ug/l	100
48) t-1,3-Dichloropropene	10.351	75	60151	16.91	ug/l	94
49) cis-1,3-Dichloropropene	9.804	75	72552	18.01	ug/l	94
50) 1,1,2-Trichloroethane	10.531	97	41830	19.23	ug/l	97
51) Ethyl methacrylate	10.399	69	62877	17.95	ug/l	92
52) 1,3-Dichloropropane	10.675	76	72988	18.74	ug/l	99
53) Dibromochloromethane	10.868	129	38844	17.62	ug/l	100
54) 1,2-Dibromoethane	10.974	107	41798	19.18	ug/l	98
55) 2-Chloroethyl vinyl ether	9.663	63	134578	86.48	ug/l	98
56) Bromoform	12.097	173	23345	16.77	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	250244	87.98	ug/l	98
59) 2-Hexanone	10.720	43	175582	86.25	ug/l	96
61) Tetrachloroethene	10.598	164	42777	18.97	ug/l	91
62) Toluene	10.122	91	189973	18.97	ug/l	99
64) Chlorobenzene	11.402	112	111709	18.91	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.476	131	37777	18.39	ug/l	97
66) Ethyl Benzene	11.479	91	197724	18.45	ug/l	99
67) m/p-Xylenes	11.592	106	151374	37.93	ug/l	100
68) o-Xylene	11.917	106	73372	18.88	ug/l	97
69) Styrene	11.933	104	118285	18.82	ug/l	98
70) Isopropylbenzene	12.219	105	188607	18.89	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.473	83	56449	19.28	ug/l	99
72) 1,2,3-Trichloropropane	12.524	75	52503m	18.30	ug/l	
73) Bromobenzene	12.495	156	43198	19.21	ug/l	78
74) n-propylbenzene	12.560	91	210522	18.25	ug/l	95
75) 2-Chlorotoluene	12.643	91	129516	18.53	ug/l	93
76) 1,3,5-Trimethylbenzene	12.701	105	156112	18.68	ug/l	97
77) t-1,4-Dichloro-2-butene	12.270	75	16200	14.46	ug/l	99
78) 4-Chlorotoluene	12.743	91	126906	18.25	ug/l	96
79) tert-butylbenzene	12.965	119	127730	18.50	ug/l	99
80) 1,2,4-Trimethylbenzene	13.010	105	155946	18.64	ug/l	98
81) sec-Butylbenzene	13.142	105	164496	17.84	ug/l	95
82) p-Isopropyltoluene	13.257	119	146237	17.81	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	72161	18.34	ug/l	96
84) 1,4-Dichlorobenzene	13.334	146	68946	17.87	ug/l	96
85) n-Butylbenzene	13.585	91	118235	16.51	ug/l	97
86) Hexachloroethane	13.842	117	23351	16.39	ug/l	71
87) 1,2-Dichlorobenzene	13.624	146	74184	18.87	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.241	75	8738	15.48	ug/l	83
89) 1,2,4-Trichlorobenzene	14.878	180	32125	15.67	ug/l	97
90) Hexachlorobutadiene	14.974	225	14863	15.98	ug/l	96
91) Naphthalene	15.100	128	103449	15.76	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	33998	16.53	ug/l	97

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

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