

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012021\
 Data File : VN065563.D
 Acq On : 20 Jan 2021 11:56
 Operator : JC/MD
 Sample : VN0120WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBSD01

Manual Integrations
 APPROVED

SAM
 1/21/2021 6:33:24 PM

Quant Time: Jan 21 01:21:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 14 04:12:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	40758	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	210284	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	195237	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	72794	28.59	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.30%	
60) 4-Bromofluorobenzene	12.376	95	86341	29.20	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	97.33%	
63) Toluene-d8	10.058	98	255585	29.91	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.70%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	33530	16.54	ug/l	92
3) Chloromethane	2.055	50	40543	16.15	ug/l	100
4) Vinyl Chloride	2.181	62	45559	16.47	ug/l	100
5) Bromomethane	2.547	94	35209	17.84	ug/l	98
6) Chloroethane	2.689	64	29540	16.43	ug/l	96
7) Trichlorofluoromethane	3.004	101	62915	17.07	ug/l	99
8) Diethyl Ether	3.386	74	27911	18.62	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.727	101	39318	17.96	ug/l	98
10) 1,1-Dichloroethene	3.701	96	39068	17.43	ug/l	95
11) Methyl Iodide	3.917	142	61421	17.36	ug/l	99
12) Methyl Acetate	4.293	43	39932	18.19	ug/l	95
13) Acrolein	3.579	56	28465	76.70	ug/l	99
14) Acrylonitrile	4.949	53	86292	86.76	ug/l	98
15) Acetone	3.791	58	26965	88.42	ug/l	97
16) Carbon Disulfide	4.010	76	85709	15.73	ug/l	97
17) Allyl chloride	4.280	41	52765	16.61	ug/l	98
18) Methylene Chloride	4.508	84	42785	17.59	ug/l	97
19) trans-1,2-Dichloroethene	4.994	96	38929	17.26	ug/l	96
20) Diisopropyl ether	5.917	45	118487	17.80	ug/l	98
21) 1,1-Dichloroethane	5.801	63	69641	17.51	ug/l	100
22) cis-1,2-Dichloroethene	6.785	96	46377	17.75	ug/l	95
23) tert-Butyl Alcohol	4.775	59	26595	86.53	ug/l #	100
24) Methyl tert-Butyl Ether	5.010	73	116668	17.75	ug/l	98
25) Chloroform	7.335	83	72511	17.67	ug/l	99
26) Cyclohexane	7.611	56	55285	16.56	ug/l #	99
29) 1,1-Dichloropropene	7.753	75	52426	17.54	ug/l	98
30) 2-Butanone	6.801	43	104124	86.40	ug/l	98
31) 2,2-Dichloropropane	6.779	77	55718	18.05	ug/l	98
32) 1,1,1-Trichloroethane	7.531	97	60558	17.92	ug/l	99
33) Carbon Tetrachloride	7.733	117	53056	17.84	ug/l	99
34) Benzene	8.004	78	165267	17.97	ug/l	97
35) Methacrylonitrile	7.132	41	22552	18.02	ug/l	95
36) 1,2-Dichloroethane	8.087	62	54762	18.05	ug/l	99
37) Trichloroethene	8.801	130	49725	18.16	ug/l	97
38) Methylcyclohexane	9.049	83	60964	17.58	ug/l	98
39) 1,2-Dichloropropane	9.084	63	44472	18.63	ug/l	100
40) Dibromomethane	9.177	93	29477	18.43	ug/l	99
41) Bromodichloromethane	9.370	83	56197	18.14	ug/l	99
42) Vinyl Acetate	5.856	43	456676	87.39	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.891	43	44839	17.41	ug/l	97
44) Isopropyl Acetate	8.132	43	74907	17.42	ug/l	94
45) 1,4-Dioxane	9.171	88	11074	362.07	ug/l	97
46) Methyl methacrylate	9.167	41	34934	16.46	ug/l	95
47) n-amyl Acetate	12.045	43	61199	16.45	ug/l	97
48) t-1,3-Dichloropropene	10.351	75	60949	17.74	ug/l	98
49) cis-1,3-Dichloropropene	9.807	75	68561	18.15	ug/l	96
50) 1,1,2-Trichloroethane	10.534	97	44047	18.82	ug/l	96
51) Ethyl methacrylate	10.399	69	58455	17.83	ug/l	91
52) 1,3-Dichloropropane	10.679	76	71545	18.44	ug/l	100
53) Dibromochloromethane	10.872	129	48015	18.53	ug/l	98
54) 1,2-Dibromoethane	10.978	107	45985	18.36	ug/l	98
55) 2-Chloroethyl vinyl ether	9.663	63	132323	92.16	ug/l	98
56) Bromoform	12.100	173	35098	17.39	ug/l	98
58) 4-Methyl-2-Pentanone	9.952	43	224673	86.70	ug/l	97
59) 2-Hexanone	10.724	43	157204	83.85	ug/l	96
61) Tetrachloroethene	10.602	164	58232	18.67	ug/l	98
62) Toluene	10.126	91	184586	18.11	ug/l	100
64) Chlorobenzene	11.405	112	121540	18.34	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.479	131	45762	18.37	ug/l	97
66) Ethyl Benzene	11.483	91	198181	17.79	ug/l	100
67) m/p-Xylenes	11.592	106	155993	35.79	ug/l	99
68) o-Xylene	11.920	106	74674	17.73	ug/l	100
69) Styrene	11.936	104	126582	17.99	ug/l	98
70) Isopropylbenzene	12.222	105	198316	18.01	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.479	83	55916	17.85	ug/l	99
72) 1,2,3-Trichloropropane	12.527	75	55554m	18.69	ug/l	
73) Bromobenzene	12.499	156	56969	18.09	ug/l	99
74) n-propylbenzene	12.566	91	222984	18.07	ug/l	99
75) 2-Chlorotoluene	12.646	91	133576	17.93	ug/l	99
76) 1,3,5-Trimethylbenzene	12.708	105	170275	18.05	ug/l	100
77) t-1,4-Dichloro-2-butene	12.273	75	17996	17.22	ug/l	95
78) 4-Chlorotoluene	12.746	91	134360	17.84	ug/l	98
79) tert-butylbenzene	12.968	119	145584	17.95	ug/l	98
80) 1,2,4-Trimethylbenzene	13.013	105	169399	18.04	ug/l	99
81) sec-Butylbenzene	13.145	105	188479	17.98	ug/l	100
82) p-Isopropyltoluene	13.264	119	177340	18.11	ug/l	99
83) 1,3-Dichlorobenzene	13.257	146	95798	18.35	ug/l	99
84) 1,4-Dichlorobenzene	13.338	146	92476	18.15	ug/l	99
85) n-Butylbenzene	13.589	91	138918	17.94	ug/l	99
86) Hexachloroethane	13.849	117	27913	17.31	ug/l	98
87) 1,2-Dichlorobenzene	13.627	146	95970	18.66	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.241	75	9897	17.69	ug/l	96
89) 1,2,4-Trichlorobenzene	14.881	180	51954	21.58	ug/l	97
90) Hexachlorobutadiene	14.981	225	34846	19.38	ug/l	99
91) Naphthalene	15.103	128	124317	21.80	ug/l	100
92) 1,2,3-Trichlorobenzene	15.283	180	52470	20.11	ug/l	99

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

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