

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123120\
 Data File : VN065337.D
 Acq On : 31 Dec 2020 10:44
 Operator : JC/MD
 Sample : VN1231WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1231WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 9:29:23 AM

Quant Time: Jan 01 01:13:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.155	128	52019	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.550	114	287144	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.380	117	263468	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.991	65	108274	28.69	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	95.63%	
60) 4-Bromofluorobenzene	12.373	95	119385	28.49	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.97%	
63) Toluene-d8	10.058	98	350807	30.02	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.07%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.849	85	51430	18.70	ug/l	97
3) Chloromethane	2.055	50	64033	19.85	ug/l	98
4) Vinyl Chloride	2.181	62	67983	20.05	ug/l	98
5) Bromomethane	2.547	94	46204	18.88	ug/l	94
6) Chloroethane	2.689	64	42009	19.39	ug/l	97
7) Trichlorofluoromethane	3.001	101	90236	18.33	ug/l	96
8) Diethyl Ether	3.386	74	35888	20.00	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.724	101	53138	19.44	ug/l #	44
10) 1,1-Dichloroethene	3.701	96	54456	19.65	ug/l	84
11) Methyl Iodide	3.914	142	76203	18.55	ug/l	86
12) Methyl Acetate	4.296	43	57062	19.85	ug/l	93
13) Acrolein	3.579	56	44793	114.24	ug/l	99
14) Acrylonitrile	4.946	53	129542	96.48	ug/l	99
15) Acetone	3.791	58	46855	110.20	ug/l #	64
16) Carbon Disulfide	4.010	76	142661	17.83	ug/l	100
17) Allyl chloride	4.280	41	84885	17.34	ug/l	91
18) Methylene Chloride	4.505	84	60181	18.96	ug/l	91
19) trans-1,2-Dichloroethene	4.994	96	56652	18.61	ug/l	87
20) Diisopropyl ether	5.917	45	178515	18.20	ug/l	92
21) 1,1-Dichloroethane	5.804	63	103531	18.79	ug/l	96
22) cis-1,2-Dichloroethene	6.785	96	66342	18.96	ug/l	84
23) tert-Butyl Alcohol	4.772	59	47549	83.47	ug/l #	100
24) Methyl tert-Butyl Ether	5.007	73	169669	17.53	ug/l #	79
25) Chloroform	7.332	83	105254	18.52	ug/l	100
26) Cyclohexane	7.614	56	87138	17.91	ug/l #	94
29) 1,1-Dichloropropene	7.753	75	78312	18.46	ug/l	96
30) 2-Butanone	6.801	43	179701	92.91	ug/l #	76
31) 2,2-Dichloropropane	6.779	77	88430	17.01	ug/l	95
32) 1,1,1-Trichloroethane	7.531	97	90051	17.63	ug/l	96
33) Carbon Tetrachloride	7.733	117	79078	17.59	ug/l	99
34) Benzene	8.004	78	238310	19.06	ug/l	95
35) Methacrylonitrile	7.126	41	35751m	20.02	ug/l	
36) 1,2-Dichloroethane	8.087	62	80734	17.44	ug/l #	93
37) Trichloroethene	8.801	130	68454	19.12	ug/l	91
38) Methylcyclohexane	9.049	83	93558	17.98	ug/l	94
39) 1,2-Dichloropropane	9.087	63	62261	19.07	ug/l	100
40) Dibromomethane	9.177	93	41081	18.67	ug/l	80
41) Bromodichloromethane	9.370	83	82931	17.72	ug/l	99
42) Vinyl Acetate	5.856	43	745123	88.96	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.894	43	72746	19.15	ug/l	97
44) Isopropyl Acetate	8.132	43	123913	17.30	ug/l #	88
45) 1,4-Dioxane	9.171	88	21052	389.10	ug/l	92
46) Methyl methacrylate	9.167	41	58151	17.11	ug/l	85
47) n-amyl Acetate	12.045	43	103004	17.14	ug/l	98
48) t-1,3-Dichloropropene	10.351	75	91001	17.29	ug/l	100
49) cis-1,3-Dichloropropene	9.807	75	99064	17.82	ug/l #	89
50) 1,1,2-Trichloroethane	10.534	97	59523	19.21	ug/l	98
51) Ethyl methacrylate	10.402	69	85760	17.72	ug/l	87
52) 1,3-Dichloropropane	10.679	76	98550	19.07	ug/l	99
53) Dibromochloromethane	10.872	129	66622	18.00	ug/l	98
54) 1,2-Dibromoethane	10.978	107	62640	18.89	ug/l	99
55) 2-Chloroethyl vinyl ether	9.663	63	182272	76.07	ug/l	97
56) Bromoform	12.100	173	49973	17.44	ug/l #	96
58) 4-Methyl-2-Pentanone	9.955	43	363920	90.38	ug/l #	93
59) 2-Hexanone	10.724	43	264572	89.18	ug/l	90
61) Tetrachloroethene	10.601	164	80426	20.34	ug/l	88
62) Toluene	10.126	91	264970	18.92	ug/l	99
64) Chlorobenzene	11.405	112	163299	18.91	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.479	131	61891	18.11	ug/l	99
66) Ethyl Benzene	11.482	91	289120	18.50	ug/l	97
67) m/p-Xylenes	11.595	106	219912	37.27	ug/l	95
68) o-Xylene	11.920	106	106924	18.76	ug/l	94
69) Styrene	11.936	104	176638	18.45	ug/l	95
70) Isopropylbenzene	12.222	105	284739	18.72	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.476	83	79150	19.21	ug/l	99
72) 1,2,3-Trichloropropane	12.527	75	82697m	19.72	ug/l	
73) Bromobenzene	12.499	156	76793	19.37	ug/l	75
74) n-propylbenzene	12.563	91	318321	18.43	ug/l	96
75) 2-Chlorotoluene	12.646	91	191123	18.70	ug/l	92
76) 1,3,5-Trimethylbenzene	12.708	105	239062	18.42	ug/l	94
77) t-1,4-Dichloro-2-butene	12.273	75	26795	16.26	ug/l	98
78) 4-Chlorotoluene	12.746	91	189599	18.30	ug/l	92
79) tert-butylbenzene	12.968	119	202887	18.33	ug/l	90
80) 1,2,4-Trimethylbenzene	13.013	105	237186	18.48	ug/l	97
81) sec-Butylbenzene	13.145	105	265274	18.26	ug/l	97
82) p-Isopropyltoluene	13.264	119	242860	18.11	ug/l	96
83) 1,3-Dichlorobenzene	13.257	146	124404	18.94	ug/l	95
84) 1,4-Dichlorobenzene	13.338	146	119331	18.23	ug/l	95
85) n-Butylbenzene	13.589	91	195191	17.00	ug/l	95
86) Hexachloroethane	13.846	117	39160	16.08	ug/l	64
87) 1,2-Dichlorobenzene	13.627	146	122676	19.27	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.241	75	14818	17.20	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.881	180	57216	16.75	ug/l	94
90) Hexachlorobutadiene	14.981	225	43241	19.12	ug/l	98
91) Naphthalene	15.103	128	148741	16.28	ug/l	99
92) 1,2,3-Trichlorobenzene	15.283	180	56134	17.50	ug/l	96

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

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