

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021021\
 Data File : VN065801.D
 Acq On : 10 Feb 2021 17:27
 Operator : JC/MD
 Sample : VN0210WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBS02

Manual Integrations
 APPROVED

MMDadoda
 2/11/2021 1:17:47 PM

Quant Time: Feb 11 01:33:25 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	24315	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.547	114	137371	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	124578	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.984	65	48907	29.00	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	96.67%	
60) 4-Bromofluorobenzene	12.373	95	58009	28.62	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	95.40%	
63) Toluene-d8	10.055	98	176238	29.43	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.10%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	27124	18.67	ug/l	96
3) Chloromethane	2.039	50	36379	17.08	ug/l	99
4) Vinyl Chloride	2.168	62	37386	17.74	ug/l	97
5) Bromomethane	2.534	94	23973	19.07	ug/l	98
6) Chloroethane	2.676	64	21210	17.44	ug/l	99
7) Trichlorofluoromethane	2.991	101	41914	19.19	ug/l	97
8) Diethyl Ether	3.377	74	17593	17.56	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.714	101	25516	19.11	ug/l	87
10) 1,1-Dichloroethene	3.692	96	26050	18.32	ug/l	98
11) Methyl Iodide	3.901	142	38677	19.31	ug/l	100
12) Methyl Acetate	4.280	43	28023	16.27	ug/l	99
13) Acrolein	3.566	56	19486	84.27	ug/l	99
14) Acrylonitrile	4.930	53	60924	79.60	ug/l #	89
15) Acetone	3.779	58	17378	74.21	ug/l	92
16) Carbon Disulfide	3.997	76	73748	16.54	ug/l	98
17) Allyl chloride	4.267	41	42036	15.58	ug/l	94
18) Methylene Chloride	4.496	84	30590	18.25	ug/l	99
19) trans-1,2-Dichloroethene	4.978	96	27251	17.53	ug/l	93
20) Diisopropyl ether	5.904	45	85477	15.70	ug/l	98
21) 1,1-Dichloroethane	5.795	63	50288	16.74	ug/l	98
22) cis-1,2-Dichloroethene	6.775	96	31634	17.71	ug/l	98
23) tert-Butyl Alcohol	4.759	59	21465	78.39	ug/l #	100
24) Methyl tert-Butyl Ether	4.997	73	79750	16.78	ug/l	97
25) Chloroform	7.325	83	48449	17.78	ug/l	96
26) Cyclohexane	7.608	56	45528	16.20	ug/l #	94
29) 1,1-Dichloropropene	7.750	75	38016	17.14	ug/l	84
30) 2-Butanone	6.791	43	75975	76.51	ug/l	99
31) 2,2-Dichloropropane	6.766	77	37724	16.25	ug/l	99
32) 1,1,1-Trichloroethane	7.525	97	38247	17.38	ug/l	99
33) Carbon Tetrachloride	7.727	117	31432	17.29	ug/l	99
34) Benzene	7.997	78	121100	17.67	ug/l	98
35) Methacrylonitrile	7.129	41	15279	14.64	ug/l	98
36) 1,2-Dichloroethane	8.084	62	35629	17.31	ug/l	95
37) Trichloroethene	8.798	130	31062	18.77	ug/l	92
38) Methylcyclohexane	9.042	83	46032	17.50	ug/l	98
39) 1,2-Dichloropropane	9.081	63	31263	16.79	ug/l	98
40) Dibromomethane	9.174	93	18766	17.79	ug/l	88
41) Bromodichloromethane	9.367	83	35181	16.46	ug/l	95
42) Vinyl Acetate	5.846	43	333626	76.70	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.888	43	33665	16.55	ug/l	95
44) Isopropyl Acetate	8.126	43	54639	15.54	ug/l	95
45) 1,4-Dioxane	9.164	88	10331	354.17	ug/l	94
46) Methyl methacrylate	9.164	41	26992	16.01	ug/l	96
47) n-amyl Acetate	12.039	43	44264	15.04	ug/l	97
48) t-1,3-Dichloropropene	10.348	75	40695	16.12	ug/l	94
49) cis-1,3-Dichloropropene	9.804	75	46510	16.26	ug/l	94
50) 1,1,2-Trichloroethane	10.528	97	28145	18.23	ug/l	96
51) Ethyl methacrylate	10.396	69	40534	16.30	ug/l	93
52) 1,3-Dichloropropane	10.676	76	48232	17.44	ug/l	100
53) Dibromochloromethane	10.872	129	27371	17.49	ug/l	97
54) 1,2-Dibromoethane	10.975	107	28666	18.52	ug/l	96
55) 2-Chloroethyl vinyl ether	9.659	63	89754	81.23	ug/l	99
56) Bromoform	12.097	173	16987	17.18	ug/l #	95
58) 4-Methyl-2-Pentanone	9.952	43	163564	79.04	ug/l	99
59) 2-Hexanone	10.721	43	114215	77.11	ug/l	98
61) Tetrachloroethene	10.598	164	31287	19.07	ug/l	93
62) Toluene	10.119	91	128513	17.64	ug/l	99
64) Chlorobenzene	11.402	112	79087	18.40	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.479	131	25968	17.38	ug/l	96
66) Ethyl Benzene	11.479	91	137850	17.68	ug/l	99
67) m/p-Xylenes	11.592	106	105122	36.21	ug/l	98
68) o-Xylene	11.917	106	50383	17.82	ug/l	97
69) Styrene	11.933	104	81613	17.85	ug/l	99
70) Isopropylbenzene	12.219	105	132124	18.19	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.473	83	38247	17.95	ug/l	99
72) 1,2,3-Trichloropropane	12.524	75	35177m	16.86	ug/l	
73) Bromobenzene	12.495	156	31029	18.97	ug/l	80
74) n-propylbenzene	12.560	91	149221	17.78	ug/l	97
75) 2-Chlorotoluene	12.643	91	91563	18.01	ug/l	93
76) 1,3,5-Trimethylbenzene	12.701	105	111074	18.26	ug/l	100
77) t-1,4-Dichloro-2-butene	12.270	75	11797	14.48	ug/l	95
78) 4-Chlorotoluene	12.743	91	88444	17.48	ug/l	96
79) tert-butylbenzene	12.962	119	93137	18.54	ug/l	99
80) 1,2,4-Trimethylbenzene	13.010	105	110848	18.21	ug/l	99
81) sec-Butylbenzene	13.142	105	122452	18.26	ug/l	96
82) p-Isopropyltoluene	13.257	119	109288	18.30	ug/l	98
83) 1,3-Dichlorobenzene	13.254	146	54010	18.87	ug/l	97
84) 1,4-Dichlorobenzene	13.331	146	51682	18.41	ug/l	98
85) n-Butylbenzene	13.585	91	88906	17.06	ug/l	98
86) Hexachloroethane	13.843	117	17032	16.43	ug/l	76
87) 1,2-Dichlorobenzene	13.624	146	52927	18.50	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.241	75	5891	14.35	ug/l	86
89) 1,2,4-Trichlorobenzene	14.878	180	23317	15.63	ug/l	98
90) Hexachlorobutadiene	14.978	225	13259	19.60	ug/l	98
91) Naphthalene	15.100	128	67931	14.22	ug/l	100
92) 1,2,3-Trichlorobenzene	15.280	180	24572	16.42	ug/l	98

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

