

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030521\
 Data File : VN066139.D
 Acq On : 5 Mar 2021 17:01
 Operator : JC/MD
 Sample : VN0305WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2021 10:53:43 AM

Quant Time: Mar 06 02:41:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 06 02:33:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.167	128	39125	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.556	114	223787	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.376	117	202857	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.997	65	101982	30.02	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.07%			
60) 4-Bromofluorobenzene	12.373	95	117168m	33.35	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 111.17%			
63) Toluene-d8	10.058	98	277129	30.31	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.03%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.872	85	33038	17.34	ug/l	94
3) Chloromethane	2.074	50	47722	18.54	ug/l	99
4) Vinyl Chloride	2.203	62	48526	18.21	ug/l	96
5) Bromomethane	2.579	94	34985	18.71	ug/l	95
6) Chloroethane	2.714	64	28344	18.01	ug/l	99
7) Trichlorofluoromethane	3.026	101	74672	18.34	ug/l	98
8) Diethyl Ether	3.409	74	26423	19.06	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.756	101	31998	18.73	ug/l	93
10) 1,1-Dichloroethene	3.734	96	36008	18.54	ug/l	91
11) Methyl Iodide	3.952	142	50208	16.70	ug/l	89
12) Methyl Acetate	4.316	43	38415	18.38	ug/l	97
13) Acrolein	3.605	56	31905	87.54	ug/l	100
14) Acrylonitrile	4.968	53	90254	89.21	ug/l	97
15) Acetone	3.814	58	29117	97.96	ug/l	72
16) Carbon Disulfide	4.049	76	104579	18.33	ug/l	98
17) Allyl chloride	4.309	41	65548	18.67	ug/l	97
18) Methylene Chloride	4.537	84	44402	18.48	ug/l	96
19) trans-1,2-Dichloroethene	5.023	96	41817m	18.76	ug/l	
20) Diisopropyl ether	5.923	45	127931	18.76	ug/l	91
21) 1,1-Dichloroethane	5.823	63	79226	18.47	ug/l	99
22) cis-1,2-Dichloroethene	6.798	96	50418	18.69	ug/l	95
23) tert-Butyl Alcohol	4.782	59	42244	93.64	ug/l #	100
24) Methyl tert-Butyl Ether	5.026	73	145230	18.38	ug/l	94
25) Chloroform	7.341	83	85080	18.35	ug/l	100
26) Cyclohexane	7.627	56	59321	18.14	ug/l #	97
29) 1,1-Dichloropropene	7.762	75	61755	18.80	ug/l	95
30) 2-Butanone	6.801	43	118420	88.58	ug/l	99
31) 2,2-Dichloropropane	6.791	77	78218	18.16	ug/l	95
32) 1,1,1-Trichloroethane	7.540	97	76958	18.06	ug/l	99
33) Carbon Tetrachloride	7.746	117	65870	18.05	ug/l	96
34) Benzene	8.010	78	179247	18.01	ug/l	99
35) Methacrylonitrile	7.135	41	21122	14.09	ug/l	95
36) 1,2-Dichloroethane	8.093	62	72506	17.81	ug/l	96
37) Trichloroethene	8.804	130	48706	18.04	ug/l	91
38) Methylcyclohexane	9.052	83	63379	17.98	ug/l	99
39) 1,2-Dichloropropane	9.084	63	45819	18.11	ug/l	99
40) Dibromomethane	9.180	93	30947	17.80	ug/l	86
41) Bromodichloromethane	9.370	83	68625	17.64	ug/l	98
42) Vinyl Acetate	5.865	43	541639	91.17	ug/l	100

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43) Ethyl Acetate	6.897	43	49168	17.56	ug/l	97
44) Isopropyl Acetate	8.132	43	90864	17.88	ug/l #	84
45) 1,4-Dioxane	9.183	88	15706	354.71	ug/l	93
46) Methyl methacrylate	9.167	41	41778	17.48	ug/l	92
47) n-amyl Acetate	12.042	43	52518	14.39	ug/l	99
48) t-1,3-Dichloropropene	10.351	75	78546	17.50	ug/l	97
49) cis-1,3-Dichloropropene	9.807	75	81991	17.66	ug/l	94
50) 1,1,2-Trichloroethane	10.534	97	43564	17.94	ug/l	97
51) Ethyl methacrylate	10.399	69	62533	17.06	ug/l	95
52) 1,3-Dichloropropane	10.675	76	73295	17.26	ug/l	98
53) Dibromochloromethane	10.872	129	52244	17.61	ug/l	97
54) 1,2-Dibromoethane	10.978	107	44509	17.37	ug/l	100
55) 2-Chloroethyl vinyl ether	9.663	63	117336	90.82	ug/l	98
56) Bromoform	12.100	173	32557	16.58	ug/l #	96
58) 4-Methyl-2-Pentanone	9.952	43	245232	91.31	ug/l	99
59) 2-Hexanone	10.720	43	160420	85.86	ug/l	98
61) Tetrachloroethene	10.601	164	49758	19.05	ug/l	92
62) Toluene	10.126	91	194083	18.52	ug/l	98
64) Chlorobenzene	11.405	112	122439	18.01	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.479	131	47676	18.21	ug/l	99
66) Ethyl Benzene	11.482	91	218418	18.17	ug/l	100
67) m/p-Xylenes	11.592	106	168404	36.12	ug/l	94
68) o-Xylene	11.916	106	83554	18.26	ug/l	95
69) Styrene	11.936	104	134410	17.94	ug/l	95
70) Isopropylbenzene	12.219	105	215582	18.05	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.476	83	57034	17.53	ug/l	96
72) 1,2,3-Trichloropropane	12.524	75	57201m	17.36	ug/l	
73) Bromobenzene	12.495	156	50059	17.40	ug/l	79
74) n-propylbenzene	12.560	91	236071	17.86	ug/l	97
75) 2-Chlorotoluene	12.643	91	152308	18.04	ug/l	93
76) 1,3,5-Trimethylbenzene	12.704	105	191508	17.85	ug/l	97
77) t-1,4-Dichloro-2-butene	12.273	75	19993	17.38	ug/l	97
78) 4-Chlorotoluene	12.743	91	150163	17.46	ug/l	93
79) tert-butylbenzene	12.965	119	160411	17.95	ug/l	94
80) 1,2,4-Trimethylbenzene	13.010	105	189851	18.00	ug/l	97
81) sec-Butylbenzene	13.142	105	203138	18.23	ug/l	96
82) p-Isopropyltoluene	13.260	119	187184	17.67	ug/l	96
83) 1,3-Dichlorobenzene	13.254	146	87463	17.56	ug/l	96
84) 1,4-Dichlorobenzene	13.334	146	83371	17.33	ug/l	95
85) n-Butylbenzene	13.585	91	144460	17.35	ug/l	98
86) Hexachloroethane	13.842	117	27675	16.79	ug/l	79
87) 1,2-Dichlorobenzene	13.624	146	90068	18.27	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.241	75	13817	17.84	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.878	180	45089	16.94	ug/l	95
90) Hexachlorobutadiene	14.977	225	22041	18.23	ug/l	97
91) Naphthalene	15.096	128	128896	16.55	ug/l	98
92) 1,2,3-Trichlorobenzene	15.276	180	47809	17.61	ug/l	95

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

