

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050721\
 Data File : VN067030.D
 Acq On : 7 May 2021 00:23
 Operator : JC/MD
 Sample : VN0507WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2021 6:23:48 PM

Quant Time: May 07 07:31:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 07 07:26:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.112	128	78255	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.517	114	410096	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.349	117	374681	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.951	65	206014	30.04	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.13%			
60) 4-Bromofluorobenzene	12.347	95	182374	29.26	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.53%			
63) Toluene-d8	10.030	98	565637	30.48	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.837	85	104517	19.52	ug/l	98
3) Chloromethane	2.035	50	148154	18.15	ug/l	99
4) Vinyl Chloride	2.161	62	144421	18.29	ug/l	97
5) Bromomethane	2.515	94	80810	18.35	ug/l	98
6) Chloroethane	2.660	64	85953	18.89	ug/l	98
7) Trichlorofluoromethane	2.974	101	174450	18.19	ug/l	99
8) Diethyl Ether	3.360	74	58193	17.96	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.695	101	82981	17.88	ug/l	98
10) 1,1-Dichloroethene	3.676	96	82910	18.61	ug/l	98
11) Methyl Iodide	3.886	142	110660	18.26	ug/l	98
12) Methyl Acetate	4.253	43	108713	17.17	ug/l	99
13) Acrolein	3.545	56	89817	86.80	ug/l	96
14) Acrylonitrile	4.897	53	214629	85.74	ug/l	95
15) Acetone	3.757	58	63894	87.94	ug/l	100
16) Carbon Disulfide	3.985	76	265693	18.03	ug/l	97
17) Allyl chloride	4.248	41	154034	17.71	ug/l	98
18) Methylene Chloride	4.470	84	108528	17.95	ug/l	98
19) trans-1,2-Dichloroethene	4.956	96	90172	18.39	ug/l	94
20) Diisopropyl ether	5.865	45	300041	18.68	ug/l	94
21) 1,1-Dichloroethane	5.755	63	194893	18.25	ug/l	97
22) cis-1,2-Dichloroethene	6.739	96	103455	18.39	ug/l	97
23) tert-Butyl Alcohol	4.709	59	82342	82.58	ug/l #	100
24) Methyl tert-Butyl Ether	4.958	73	267873	18.14	ug/l	99
25) Chloroform	7.294	83	186865	18.14	ug/l	97
26) Cyclohexane	7.579	56	136207	18.36	ug/l #	99
29) 1,1-Dichloropropene	7.715	75	130322	18.17	ug/l	98
30) 2-Butanone	6.750	43	294968	85.77	ug/l	100
31) 2,2-Dichloropropane	6.736	77	132670	15.33	ug/l #	81
32) 1,1,1-Trichloroethane	7.490	97	166813	17.91	ug/l	99
33) Carbon Tetrachloride	7.699	117	144188	17.79	ug/l	96
34) Benzene	7.970	78	417300	17.95	ug/l	98
35) Methacrylonitrile	7.090	41	53555	16.65	ug/l	91
36) 1,2-Dichloroethane	8.053	62	151971	17.54	ug/l	99
37) Trichloroethene	8.772	130	91681	18.22	ug/l	99
38) Methylcyclohexane	9.016	83	123718	17.33	ug/l	98
39) 1,2-Dichloropropane	9.054	63	113959	17.66	ug/l	99
40) Dibromomethane	9.145	93	68796	17.25	ug/l	98
41) Bromodichloromethane	9.338	83	151158	17.95	ug/l	99
42) Vinyl Acetate	5.809	43	1308386	88.28	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.844	43	131702	16.25	ug/l	99
44) Isopropyl Acetate	8.096	43	215379	17.50	ug/l	99
45) 1,4-Dioxane	9.140	88	24357	309.76	ug/l	96
46) Methyl methacrylate	9.140	41	85883	16.57	ug/l	96
48) t-1,3-Dichloropropene	10.325	75	150273	17.41	ug/l	96
49) cis-1,3-Dichloropropene	9.778	75	168210	17.77	ug/l	99
50) 1,1,2-Trichloroethane	10.502	97	96903	17.57	ug/l	96
51) Ethyl methacrylate	10.373	69	120924	16.77	ug/l	98
52) 1,3-Dichloropropane	10.647	76	168955	17.64	ug/l	99
53) Dibromochloromethane	10.843	129	107161	17.67	ug/l	98
54) 1,2-Dibromoethane	10.947	107	92416	17.52	ug/l	100
55) 2-Chloroethyl vinyl ether	9.636	63	100932	73.10	ug/l	98
56) Bromoform	12.076	173	66874	16.61	ug/l #	97
58) 4-Methyl-2-Pentanone	9.923	43	622661	88.77	ug/l	99
59) 2-Hexanone	10.695	43	349968	84.60	ug/l	99
61) Tetrachloroethene	10.574	164	78690	18.53	ug/l	97
62) Toluene	10.094	91	421597	18.24	ug/l	99
64) Chlorobenzene	11.376	112	241996	17.93	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.451	131	97582	18.12	ug/l	99
66) Ethyl Benzene	11.457	91	427619	18.22	ug/l	98
67) m/p-Xylenes	11.567	106	324616	36.84	ug/l	96
68) o-Xylene	11.894	106	157581	18.12	ug/l	98
69) Styrene	11.913	104	234543	17.55	ug/l	98
70) Isopropylbenzene	12.194	105	407433	18.07	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.452	83	143066	17.43	ug/l	98
72) 1,2,3-Trichloropropane	12.500	75	126401m	16.99	ug/l	
73) Bromobenzene	12.473	156	95010	17.44	ug/l	99
74) n-propylbenzene	12.538	91	454720	17.59	ug/l	98
75) 2-Chlorotoluene	12.621	91	302692	18.22	ug/l	99
76) 1,3,5-Trimethylbenzene	12.680	105	354050	17.76	ug/l	99
77) t-1,4-Dichloro-2-butene	12.256	75	23801	15.42	ug/l	82
78) 4-Chlorotoluene	12.723	91	277373	18.60	ug/l	100
79) tert-butylbenzene	12.940	119	299362	17.72	ug/l	100
80) 1,2,4-Trimethylbenzene	12.985	105	326909	17.49	ug/l	99
81) sec-Butylbenzene	13.117	105	390599	17.49	ug/l	99
82) p-Isopropyltoluene	13.235	119	314467	17.71	ug/l	98
83) 1,3-Dichlorobenzene	13.232	146	157703	17.45	ug/l	99
84) 1,4-Dichlorobenzene	13.313	146	139910	14.95	ug/l	95
85) n-Butylbenzene	13.565	91	220688	15.43	ug/l	99
86) Hexachloroethane	13.817	117	65880	16.75	ug/l	98
87) 1,2-Dichlorobenzene	13.602	146	167841	17.91	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.227	75	23623	14.85	ug/l #	73
89) 1,2,4-Trichlorobenzene	14.860	180	78531	16.61	ug/l	98
90) Hexachlorobutadiene	14.951	225	54606	17.11	ug/l	95
91) Naphthalene	15.077	128	217096	16.75	ug/l	99
92) 1,2,3-Trichlorobenzene	15.254	180	85542	17.27	ug/l	99

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

