

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071421\
 Data File : VN067730.D
 Acq On : 13 Jul 2021 21:27
 Operator : JC/MD
 Sample : VN0714WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2021 10:42:46 AM

Quant Time: Jul 14 01:22:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	70828	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	415537	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	394838	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	182847	31.954	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.500%			
60) 4-Bromofluorobenzene	12.734	95	188622	29.416	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.067%			
63) Toluene-d8	10.443	98	547774	30.163	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	67595	18.674	ug/l	98
3) Chloromethane	2.301	50	87660	19.389	ug/l	96
4) Vinyl Chloride	2.443	62	138064	19.630	ug/l	98
5) Bromomethane	2.861	94	114639	19.576	ug/l	100
6) Chloroethane	3.022	64	105859	20.211	ug/l	97
7) Trichlorofluoromethane	3.374	101	254947	19.535	ug/l	99
8) Diethyl Ether	3.819	74	46471	19.142	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.200	101	69060m	18.616	ug/l	
10) 1,1-Dichloroethene	4.175	96	65487	19.060	ug/l	99
11) Methyl Iodide	4.422	142	80086	17.631	ug/l	96
12) Methyl Acetate	4.859	43	88722	18.919	ug/l	100
13) Acrolein	4.039	56	43710	88.984	ug/l #	45
14) Acrylonitrile	5.557	53	195024	94.577	ug/l	100
15) Acetone	4.293	58	46533	91.033	ug/l	92
16) Carbon Disulfide	4.527	76	163704	18.043	ug/l	98
17) Allyl chloride	4.835	41	110684	18.308	ug/l	94
18) Methylene Chloride	5.098	84	84668	17.807	ug/l	97
19) trans-1,2-Dichloroethene	5.594	96	73519	17.946	ug/l	99
20) Diisopropyl ether	6.498	45	263484	18.406	ug/l	99
21) 1,1-Dichloroethane	6.388	63	148002	18.794	ug/l	97
22) cis-1,2-Dichloroethene	7.332	96	92139	18.226	ug/l	96
23) tert-Butyl Alcohol	5.385	59	71178	93.644	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	264629	18.655	ug/l	100
25) Chloroform	7.820	83	164742	18.800	ug/l	99
26) Cyclohexane	8.094	56	126428	18.425	ug/l #	99
29) 1,1-Dichloropropene	8.223	75	115602	17.731	ug/l	99
30) 2-Butanone	7.340	43	270376	89.553	ug/l	99
31) 2,2-Dichloropropane	7.324	77	111551	15.336	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	141812	17.713	ug/l	99
33) Carbon Tetrachloride	8.206	117	118167	17.286	ug/l	97
34) Benzene	8.461	78	353308	18.129	ug/l	99
35) Methacrylonitrile	7.638	41	56719	18.275	ug/l	98
36) 1,2-Dichloroethane	8.531	62	134910	18.596	ug/l	100
37) Trichloroethene	9.218	130	90553	17.885	ug/l	100
38) Methylcyclohexane	9.462	83	125930	17.439	ug/l	99
39) 1,2-Dichloropropane	9.491	63	89142	17.937	ug/l	96
40) Dibromomethane	9.577	93	63998	17.907	ug/l	99
41) Bromodichloromethane	9.765	83	122870	17.514	ug/l	98
42) Vinyl Acetate	6.436	43	973310	81.034	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	103203	16.908	ug/l	99
44) Isopropyl Acetate	8.563	43	201977	18.224	ug/l	99
45) 1,4-Dioxane	9.574	88	29011	345.671	ug/l	99
46) Methyl methacrylate	9.561	41	83422	17.436	ug/l	100
47) n-amyl Acetate	12.390	43	149788	16.465	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	124513	16.470	ug/l	93
49) cis-1,3-Dichloropropene	10.191	75	136476	17.007	ug/l	99
50) 1,1,2-Trichloroethane	10.902	97	92598	18.156	ug/l	97
51) Ethyl methacrylate	10.762	69	137472	17.334	ug/l	97
52) 1,3-Dichloropropane	11.047	76	151361	17.949	ug/l	97
53) Dibromochloromethane	11.240	129	89468	16.758	ug/l	98
54) 1,2-Dibromoethane	11.347	107	92922	17.663	ug/l	100
55) 2-Chloroethyl vinyl ether	10.044	63	118843	77.477	ug/l	99
56) Bromoform	12.460	173	54997	14.703	ug/l #	100
58) 4-Methyl-2-Pentanone	10.333	43	620293	91.492	ug/l	99
59) 2-Hexanone	11.087	43	431118	90.693	ug/l	99
61) Tetrachloroethene	10.980	164	87374	18.015	ug/l	96
62) Toluene	10.505	91	416265	17.924	ug/l	99
64) Chlorobenzene	11.771	112	245328	17.638	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	90357	17.633	ug/l	99
66) Ethyl Benzene	11.846	91	451663	17.575	ug/l	100
67) m/p-Xylenes	11.956	106	344824	35.178	ug/l	98
68) o-Xylene	12.283	106	169815	17.550	ug/l	98
69) Styrene	12.296	104	274685	17.167	ug/l	99
70) Isopropylbenzene	12.581	105	437995	17.540	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	128082	18.066	ug/l	98
72) 1,2,3-Trichloropropane	12.884	75	108321m	18.379	ug/l	
73) Bromobenzene	12.862	156	94383	16.445	ug/l	98
74) n-propylbenzene	12.921	91	499709	17.465	ug/l	100
75) 2-Chlorotoluene	13.010	91	302637	17.623	ug/l	99
76) 1,3,5-Trimethylbenzene	13.061	105	361482	17.584	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	30958	15.564	ug/l	92
78) 4-Chlorotoluene	13.106	91	297165	17.356	ug/l	99
79) tert-butylbenzene	13.326	119	309404	17.529	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	355953m	17.436	ug/l	
81) sec-Butylbenzene	13.503	105	423967	17.315	ug/l	99
82) p-Isopropyltoluene	13.619	119	340762	16.721	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	178867	16.688	ug/l	100
84) 1,4-Dichlorobenzene	13.696	146	173814	16.648	ug/l	100
85) n-Butylbenzene	13.943	91	282668	16.718	ug/l	99
86) Hexachloroethane	14.211	117	56155	16.563	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	175583	17.159	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	22954	18.097	ug/l	98
89) 1,2,4-Trichlorobenzene	15.265	180	74295	15.924	ug/l	99
90) Hexachlorobutadiene	15.373	225	35513	15.836	ug/l	94
91) Naphthalene	15.507	128	212242	16.013	ug/l	99
92) 1,2,3-Trichlorobenzene	15.703	180	71884	16.082	ug/l	99

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

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