

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068720.D
 Acq On : 28 Sep 2021 14:43
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/30/2021 12:17:23 PM

Quant Time: Sep 29 01:51:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 29 01:51:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	76648	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	442104	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	400334	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	185658	26.497	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	88.333%#		
60) 4-Bromofluorobenzene	12.734	95	164350	23.205	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	77.367%		
63) Toluene-d8	10.443	98	567682	30.444	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.467%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	22680	5.274	ug/l	96
3) Chloromethane	2.303	50	28886	5.279	ug/l	96
4) Vinyl Chloride	2.443	62	54462	7.346	ug/l	96
5) Bromomethane	2.859	94	55981	10.041	ug/l	96
6) Chloroethane	3.017	64	46154	8.252	ug/l	97
7) Trichlorofluoromethane	3.373	101	43221	5.314	ug/l	95
8) Diethyl Ether	3.827	74	14029m	4.886	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.216	101	24663m	5.466	ug/l	
10) 1,1-Dichloroethene	4.183	96	22582m	5.400	ug/l	
11) Methyl Iodide	4.422	142	21431	4.030	ug/l	87
12) Methyl Acetate	4.854	43	36788	4.283	ug/l	94
13) Acrolein	4.044	56	10520m	35.881	ug/l	
14) Acrylonitrile	5.551	53	57227m	22.090	ug/l	
15) Acetone	4.288	58	16426	22.883	ug/l	96
16) Carbon Disulfide	4.532	76	58862	5.017	ug/l	100
17) Allyl chloride	4.843	41	31548	3.931	ug/l	96
18) Methylene Chloride	5.098	84	29164	5.664	ug/l	97
19) trans-1,2-Dichloroethene	5.597	96	24401	5.227	ug/l	96
20) Diisopropyl ether	6.495	45	71552	4.108	ug/l	97
21) 1,1-Dichloroethane	6.388	63	44873	4.811	ug/l	98
22) cis-1,2-Dichloroethene	7.329	96	29675	5.273	ug/l	95
23) tert-Butyl Alcohol	5.361	59	19451	22.111	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	77995m	4.816	ug/l	
25) Chloroform	7.817	83	52784	5.037	ug/l	94
26) Cyclohexane	8.096	56	37096	4.306	ug/l #	93
29) 1,1-Dichloropropene	8.222	75	36752	4.374	ug/l	69
30) 2-Butanone	7.335	43	78947	20.397	ug/l	100
31) 2,2-Dichloropropane	7.327	77	39923	4.697	ug/l #	76
32) 1,1,1-Trichloroethane	8.016	97	45689	4.702	ug/l	97
33) Carbon Tetrachloride	8.206	117	39523	4.349	ug/l	99
34) Benzene	8.458	78	108301	4.762	ug/l #	80
35) Methacrylonitrile	7.638	41	15914	4.024	ug/l	90
36) 1,2-Dichloroethane	8.531	62	41524	4.720	ug/l	100
37) Trichloroethene	9.220	130	28382	4.971	ug/l	85
38) Methylcyclohexane	9.462	83	42525	4.071	ug/l	100
39) 1,2-Dichloropropane	9.494	63	26839	4.121	ug/l	95
40) Dibromomethane	9.577	93	21307	4.800	ug/l	97
41) Bromodichloromethane	9.762	83	40449	4.543	ug/l	95
42) Vinyl Acetate	6.436	43	279728m	19.995	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	33787m	4.472	ug/l	
44) Isopropyl Acetate	8.560	43	56675	4.039	ug/l	98
45) 1,4-Dioxane	9.566	88	8932	85.749	ug/l #	94
46) Methyl methacrylate	9.561	41	23344	3.314	ug/l	95
47) n-amyl Acetate	12.390	43	36601	2.769	ug/l	98
48) t-1,3-Dichloropropene	10.719	75	39602	4.042	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	41651	4.158	ug/l	96
50) 1,1,2-Trichloroethane	10.896	97	28070	4.583	ug/l	98
51) Ethyl methacrylate	10.762	69	37464	3.947	ug/l	97
52) 1,3-Dichloropropane	11.044	76	46249	4.709	ug/l	97
53) Dibromochloromethane	11.240	129	29513	4.217	ug/l	99
54) 1,2-Dibromoethane	11.347	107	27812	4.365	ug/l	95
55) 2-Chloroethyl vinyl ether	10.044	63	50730	18.347	ug/l	97
56) Bromoform	12.460	173	18686	3.660	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	169811	20.466	ug/l	98
59) 2-Hexanone	11.087	43	119989	18.980	ug/l	98
61) Tetrachloroethene	10.980	164	25598	5.217	ug/l	92
62) Toluene	10.507	91	128434	5.020	ug/l	100
64) Chlorobenzene	11.771	112	75823	5.129	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.843	131	28573	4.740	ug/l	99
66) Ethyl Benzene	11.846	91	130772	4.513	ug/l	96
67) m/p-Xylenes	11.956	106	97357	8.650	ug/l	99
68) o-Xylene	12.283	106	48101	4.186	ug/l	99
69) Styrene	12.296	104	72705	3.737	ug/l	99
70) Isopropylbenzene	12.581	105	124930	4.169	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	39544	4.687	ug/l	96
72) 1,2,3-Trichloropropane	12.881	75	31110m	3.984	ug/l	
73) Bromobenzene	12.862	156	27587	4.204	ug/l	97
74) n-propylbenzene	12.924	91	137884	4.075	ug/l	99
75) 2-Chlorotoluene	13.010	91	83442	4.326	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	99329	4.309	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	9967	3.414	ug/l	97
78) 4-Chlorotoluene	13.106	91	79351	4.209	ug/l	97
79) tert-butylbenzene	13.326	119	86561	4.402	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	96747	4.498	ug/l #	81
81) sec-Butylbenzene	13.503	105	121541	4.598	ug/l	100
82) p-Isopropyltoluene	13.619	119	94756	3.988	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	48622	4.268	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	46337	4.409	ug/l	98
85) n-Butylbenzene	13.946	91	75133	3.952	ug/l	98
86) Hexachloroethane	14.211	117	19510	4.419	ug/l	99
87) 1,2-Dichlorobenzene	13.989	146	46882	4.576	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	5995	3.694	ug/l	94
89) 1,2,4-Trichlorobenzene	15.268	180	20088	3.867	ug/l	98
90) Hexachlorobutadiene	15.373	225	12869	4.628	ug/l	96
91) Naphthalene	15.509	128	50721	3.595	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.702	180	19845	4.005	ug/l	96

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

