

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068699.D
 Acq On : 27 Sep 2021 12:05
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

9/28/2021 7:05:38 PM

Quant Time: Sep 27 14:20:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:19:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	67676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	377110	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	351428	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	172571	30.695	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.333%
60) 4-Bromofluorobenzene	12.733	95	152752	28.281	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.267%
63) Toluene-d8	10.443	98	489918	31.660	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.533%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	16382	4.400	ug/l	98
3) Chloromethane	2.303	50	24927	5.036	ug/l	94
4) Vinyl Chloride	2.443	62	29391	5.190	ug/l	99
5) Bromomethane	2.856	94	22947	6.196	ug/l	94
6) Chloroethane	3.017	64	23151	5.861	ug/l	94
7) Trichlorofluoromethane	3.376	101	36938	5.449	ug/l	97
8) Diethyl Ether	3.832	74	12787	5.223	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.213	101	20358	5.510	ug/l	86
10) 1,1-Dichloroethene	4.186	96	18037	5.125	ug/l	90
11) Methyl Iodide	4.430	142	20129m	4.512	ug/l	
12) Methyl Acetate	4.857	43	40015	5.286	ug/l	97
13) Acrolein	4.044	56	8871m	38.781	ug/l	
14) Acrylonitrile	5.559	53	55416	24.837	ug/l	92
15) Acetone	4.293	58	17257	30.467	ug/l	91
16) Carbon Disulfide	4.535	76	51306m	4.981	ug/l	
17) Allyl chloride	4.846	41	35563	5.135	ug/l	97
18) Methylene Chloride	5.101	84	23710	5.511	ug/l	96
19) trans-1,2-Dichloroethene	5.602	96	20544	5.247	ug/l	93
20) Diisopropyl ether	6.495	45	72840	4.781	ug/l	95
21) 1,1-Dichloroethane	6.393	63	42533	5.256	ug/l	95
22) cis-1,2-Dichloroethene	7.327	96	24531	5.272	ug/l	96
23) tert-Butyl Alcohol	5.366	59	17276	23.176	ug/l #	100
24) Methyl tert-Butyl Ether	5.618	73	68397	5.072	ug/l #	78
25) Chloroform	7.820	83	45176	5.415	ug/l	95
26) Cyclohexane	8.102	56	35040	4.541	ug/l #	99
29) 1,1-Dichloropropene	8.222	75	30904	4.851	ug/l	99
30) 2-Butanone	7.337	43	82646	25.233	ug/l #	96
31) 2,2-Dichloropropane	7.329	77	36127	6.318	ug/l #	75
32) 1,1,1-Trichloroethane	8.021	97	37709	4.802	ug/l	98
33) Carbon Tetrachloride	8.209	117	32525	4.759	ug/l	94
34) Benzene	8.461	78	95246	5.112	ug/l #	86
35) Methacrylonitrile	7.643	41	17034	4.890	ug/l	92
36) 1,2-Dichloroethane	8.531	62	38139	5.219	ug/l	98
37) Trichloroethene	9.217	130	23979	5.229	ug/l	96
38) Methylcyclohexane	9.459	83	36304	4.914	ug/l	97
39) 1,2-Dichloropropane	9.491	63	25747	5.228	ug/l	99
40) Dibromomethane	9.579	93	17627	4.874	ug/l	96
41) Bromodichloromethane	9.762	83	33304	4.582	ug/l	99
42) Vinyl Acetate	6.436	43	286653	23.879	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	31201	4.440	ug/l	95
44) Isopropyl Acetate	8.560	43	57930	4.650	ug/l	99
45) 1,4-Dioxane	9.571	88	7140	87.601	ug/l #	64
46) Methyl methacrylate	9.561	41	22663	3.783	ug/l	96
47) n-amyl Acetate	12.390	43	34393	3.054	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	36667	4.224	ug/l	98
49) cis-1,3-Dichloropropene	10.194	75	36888	4.192	ug/l	94
50) 1,1,2-Trichloroethane	10.896	97	25338	4.437	ug/l	96
51) Ethyl methacrylate	10.762	69	36419	3.781	ug/l	99
52) 1,3-Dichloropropane	11.047	76	39442	3.962	ug/l	99
53) Dibromochloromethane	11.240	129	24737	3.883	ug/l	100
54) 1,2-Dibromoethane	11.344	107	23415	3.967	ug/l	96
55) 2-Chloroethyl vinyl ether	10.043	63	39697	18.065	ug/l	100
56) Bromoform	12.460	173	16634	3.972	ug/l #	98
58) 4-Methyl-2-Pentanone	10.333	43	163971	23.603	ug/l	99
59) 2-Hexanone	11.087	43	120042	22.699	ug/l	97
61) Tetrachloroethene	10.977	164	22594	5.554	ug/l	96
62) Toluene	10.507	91	108653	5.658	ug/l	99
64) Chlorobenzene	11.773	112	62278	5.068	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	23602	5.016	ug/l	98
66) Ethyl Benzene	11.848	91	107088	4.728	ug/l	96
67) m/p-Xylenes	11.956	106	79113	9.487	ug/l	98
68) o-Xylene	12.283	106	38330	4.667	ug/l	94
69) Styrene	12.296	104	59637	4.520	ug/l	99
70) Isopropylbenzene	12.581	105	101013	4.818	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.830	83	32518	5.136	ug/l	100
72) 1,2,3-Trichloropropane	12.881	75	27062m	4.467	ug/l	
73) Bromobenzene	12.862	156	23471	4.914	ug/l	99
74) n-propylbenzene	12.921	91	111633	4.581	ug/l	100
75) 2-Chlorotoluene	13.010	91	68110	4.648	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	81456	4.732	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	8351	4.423	ug/l	94
78) 4-Chlorotoluene	13.109	91	62573	4.493	ug/l	100
79) tert-butylbenzene	13.326	119	69646	4.777	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	76522	4.808	ug/l #	81
81) sec-Butylbenzene	13.503	105	96926	4.898	ug/l	99
82) p-Isopropyltoluene	13.619	119	74641	4.730	ug/l	99
83) 1,3-Dichlorobenzene	13.619	146	38662	5.028	ug/l	98
84) 1,4-Dichlorobenzene	13.696	146	36482	4.902	ug/l	96
85) n-Butylbenzene	13.946	91	58282	4.444	ug/l	96
86) Hexachloroethane	14.209	117	16119	5.084	ug/l	98
87) 1,2-Dichlorobenzene	13.991	146	37745	5.038	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.605	75	4636	4.161	ug/l	88
89) 1,2,4-Trichlorobenzene	15.265	180	15672	4.241	ug/l	96
90) Hexachlorobutadiene	15.370	225	11081	5.713	ug/l	94
91) Naphthalene	15.507	128	30084	2.977	ug/l	98
92) 1,2,3-Trichlorobenzene	15.700	180	14186	3.976	ug/l	96

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

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