

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092721\
 Data File : VN068705.D
 Acq On : 27 Sep 2021 15:40
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092721

Manual Integrations
 APPROVED

MMDadoda
 9/28/2021 7:05:45 PM

Quant Time: Sep 28 05:28:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092721W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 27 14:37:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.662	128	80415	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	452195	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	413927	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	201545	27.151	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	90.500%#
60) 4-Bromofluorobenzene	12.733	95	198870	26.875	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.567%
63) Toluene-d8	10.443	98	756373	39.129	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	130.433%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	102214	21.879	ug/l	98
3) Chloromethane	2.303	50	127964	21.392	ug/l	96
4) Vinyl Chloride	2.443	62	146788	19.895	ug/l	100
5) Bromomethane	2.858	94	106015	20.760	ug/l	96
6) Chloroethane	3.019	64	106652	19.785	ug/l	100
7) Trichlorofluoromethane	3.376	101	175237	20.241	ug/l	99
8) Diethyl Ether	3.827	74	60708	19.677	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.218	101	97622	20.423	ug/l	98
10) 1,1-Dichloroethene	4.189	96	89137	20.205	ug/l	96
11) Methyl Iodide	4.425	142	105160	18.611	ug/l	99
12) Methyl Acetate	4.854	43	181314	19.325	ug/l	99
13) Acrolein	4.041	56	29365m	100.285	ug/l	
14) Acrylonitrile	5.554	53	273142	96.948	ug/l	99
15) Acetone	4.285	58	83242	108.166	ug/l	94
16) Carbon Disulfide	4.532	76	241428	19.420	ug/l	97
17) Allyl chloride	4.846	41	172807	19.684	ug/l	98
18) Methylene Chloride	5.100	84	114105	21.106	ug/l	99
19) trans-1,2-Dichloroethene	5.602	96	97046	19.809	ug/l	97
20) Diisopropyl ether	6.495	45	371183	19.213	ug/l	99
21) 1,1-Dichloroethane	6.390	63	196817	19.323	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	117781	19.845	ug/l	98
23) tert-Butyl Alcohol	5.361	59	92342	99.217	ug/l #	100
24) Methyl tert-Butyl Ether	5.613	73	332647	19.245	ug/l	99
25) Chloroform	7.817	83	251678	22.945	ug/l	99
26) Cyclohexane	8.096	56	174638	18.868	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	155541	17.876	ug/l	99
30) 2-Butanone	7.335	43	419181	100.572	ug/l	100
31) 2,2-Dichloropropane	7.329	77	175429	19.831	ug/l	99
32) 1,1,1-Trichloroethane	8.018	97	181217	18.222	ug/l	99
33) Carbon Tetrachloride	8.206	117	164815	17.629	ug/l	97
34) Benzene	8.461	78	461111	19.605	ug/l	99
35) Methacrylonitrile	7.638	41	74299	17.535	ug/l	97
36) 1,2-Dichloroethane	8.531	62	176301	19.248	ug/l	100
37) Trichloroethene	9.217	130	115673	19.796	ug/l	98
38) Methylcyclohexane	9.461	83	184721	17.198	ug/l	99
39) 1,2-Dichloropropane	9.491	63	122515	18.003	ug/l	100
40) Dibromomethane	9.577	93	82221	17.618	ug/l	99
41) Bromodichloromethane	9.762	83	167691	17.911	ug/l	94
42) Vinyl Acetate	6.433	43	1455318	95.515	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	157762	19.511	ug/l	99
44) Isopropyl Acetate	8.560	43	291551	19.421	ug/l	99
45) 1,4-Dioxane	9.569	88	37689	346.407	ug/l	98
46) Methyl methacrylate	9.561	41	127634	16.377	ug/l	98
47) n-amyl Acetate	12.390	43	212262	15.486	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	202688	20.095	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	194502	18.740	ug/l	97
50) 1,1,2-Trichloroethane	10.899	97	115685	18.519	ug/l	97
51) Ethyl methacrylate	10.762	69	188891	19.214	ug/l	99
52) 1,3-Dichloropropane	11.049	76	202762	19.972	ug/l	100
53) Dibromochloromethane	11.239	129	123468	16.867	ug/l	100
54) 1,2-Dibromoethane	11.347	107	118992	18.393	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	187504	66.377	ug/l	99
56) Bromoform	12.465	173	91038	17.462	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	1396118	155.034	ug/l	99
59) 2-Hexanone	11.087	43	665774	98.641	ug/l	99
61) Tetrachloroethene	10.979	164	104916	20.539	ug/l	95
62) Toluene	10.507	91	598088	22.622	ug/l	99
64) Chlorobenzene	11.773	112	310034	20.344	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	119374	18.916	ug/l	98
66) Ethyl Benzene	11.846	91	556356	18.396	ug/l	100
67) m/p-Xylenes	11.956	106	427226	36.977	ug/l	98
68) o-Xylene	12.283	106	205890	17.202	ug/l	96
69) Styrene	12.296	104	327608	16.225	ug/l	98
70) Isopropylbenzene	12.580	105	538051	17.375	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.830	83	159478	18.020	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	156073m	18.483	ug/l	
73) Bromobenzene	12.862	156	119962	17.349	ug/l	96
74) n-propylbenzene	12.924	91	620317	17.449	ug/l	99
75) 2-Chlorotoluene	13.010	91	354846	17.361	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	429661	17.729	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	50062	16.585	ug/l	93
78) 4-Chlorotoluene	13.106	91	484416	24.420	ug/l	97
79) tert-butylbenzene	13.326	119	392657	19.213	ug/l	97
80) 1,2,4-Trimethylbenzene	13.372	105	441535m	19.987	ug/l	
81) sec-Butylbenzene	13.506	105	546875	20.225	ug/l	100
82) p-Isopropyltoluene	13.618	119	447668	18.458	ug/l	98
83) 1,3-Dichlorobenzene	13.618	146	218729	18.834	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	205065	19.197	ug/l	99
85) n-Butylbenzene	13.946	91	357425	18.500	ug/l	99
86) Hexachloroethane	14.211	117	82681	17.832	ug/l	100
87) 1,2-Dichlorobenzene	13.989	146	235369	22.457	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.603	75	30563	18.276	ug/l	97
89) 1,2,4-Trichlorobenzene	15.265	180	102795	19.555	ug/l	98
90) Hexachlorobutadiene	15.372	225	58084	20.000	ug/l	99
91) Naphthalene	15.509	128	279958	20.476	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	116368	23.255	ug/l	99

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

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