

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092821\
 Data File : VN068714.D
 Acq On : 28 Sep 2021 10:48
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda

9/30/2021 12:17:11 PM

Quant Time: Sep 28 12:22:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092821W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Sep 28 12:20:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	107919	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	594217	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	555325	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	274009	36.605	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	122.000%#
60) 4-Bromofluorobenzene	12.731	95	251261	27.810	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.700%
63) Toluene-d8	10.443	98	780209	29.223	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	54353	8.429	ug/l	98
3) Chloromethane	2.303	50	86381	9.135	ug/l	99
4) Vinyl Chloride	2.445	62	95985	10.263	ug/l	100
5) Bromomethane	2.845	94	55162	9.885	ug/l	100
6) Chloroethane	3.011	64	61234	11.345	ug/l	98
7) Trichlorofluoromethane	3.373	101	122708	12.655	ug/l	99
8) Diethyl Ether	3.827	74	40701	9.155	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.215	101	66776	11.270	ug/l	92
10) 1,1-Dichloroethene	4.183	96	61307	9.714	ug/l	88
11) Methyl Iodide	4.425	142	72035	8.102	ug/l	87
12) Methyl Acetate	4.859	43	129820	16.984	ug/l	91
13) Acrolein	4.044	56	36033	35.109	ug/l	98
14) Acrylonitrile	5.554	53	187686	55.252	ug/l	98
15) Acetone	4.285	58	53231m	51.218	ug/l	
16) Carbon Disulfide	4.535	76	178292	9.007	ug/l	98
17) Allyl chloride	4.843	41	119492	9.978	ug/l	82
18) Methylene Chloride	5.103	84	77600	10.433	ug/l	89
19) trans-1,2-Dichloroethene	5.597	96	67371	9.763	ug/l	90
20) Diisopropyl ether	6.495	45	258004	10.677	ug/l	94
21) 1,1-Dichloroethane	6.388	63	137536	10.318	ug/l	97
22) cis-1,2-Dichloroethene	7.327	96	78054	9.844	ug/l	89
23) tert-Butyl Alcohol	5.363	59	63379m	52.151	ug/l	
24) Methyl tert-Butyl Ether	5.618	73	222482	10.549	ug/l #	91
25) Chloroform	7.820	83	140867	11.646	ug/l	100
26) Cyclohexane	8.096	56	118758	9.521	ug/l #	92
29) 1,1-Dichloropropene	8.222	75	102006	10.631	ug/l	95
30) 2-Butanone	7.335	43	277225	64.540	ug/l	92
31) 2,2-Dichloropropane	7.329	77	115873	11.538	ug/l	96
32) 1,1,1-Trichloroethane	8.016	97	127156	13.362	ug/l	98
33) Carbon Tetrachloride	8.206	117	111920	14.234	ug/l	98
34) Benzene	8.461	78	308324	10.403	ug/l	99
35) Methacrylonitrile	7.638	41	57827	12.813	ug/l	93
36) 1,2-Dichloroethane	8.531	62	123071	13.825	ug/l #	95
37) Trichloroethene	9.217	130	77316	10.803	ug/l	95
38) Methylcyclohexane	9.461	83	116341	10.227	ug/l	95
39) 1,2-Dichloropropane	9.491	63	81271	10.093	ug/l	96
40) Dibromomethane	9.577	93	54695	11.984	ug/l	84
41) Bromodichloromethane	9.764	83	110053	11.905	ug/l	98
42) Vinyl Acetate	6.433	43	874807	46.495	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	117393m	13.343	ug/l	
44) Isopropyl Acetate	8.560	43	180443	11.861	ug/l #	90
45) 1,4-Dioxane	9.569	88	25741	204.005	ug/l	93
46) Methyl methacrylate	9.561	41	80505	11.042	ug/l	85
47) n-amyl Acetate	12.390	43	128047	10.061	ug/l	94
48) t-1,3-Dichloropropene	10.719	75	117917	10.796	ug/l	95
49) cis-1,3-Dichloropropene	10.191	75	123104	9.948	ug/l #	83
50) 1,1,2-Trichloroethane	10.899	97	74708	11.184	ug/l	95
51) Ethyl methacrylate	10.762	69	113585	10.559	ug/l	80
52) 1,3-Dichloropropane	11.046	76	131372	10.983	ug/l	99
53) Dibromochloromethane	11.239	129	81872	12.094	ug/l	99
54) 1,2-Dibromoethane	11.347	107	77987	11.650	ug/l	97
55) 2-Chloroethyl vinyl ether	10.043	63	177362	37.109	ug/l	97
56) Bromoform	12.460	173	57516	13.451	ug/l #	93
58) 4-Methyl-2-Pentanone	10.330	43	568632	61.646	ug/l	91
59) 2-Hexanone	11.087	43	409802	62.068	ug/l	91
61) Tetrachloroethene	10.979	164	73655	10.072	ug/l	93
62) Toluene	10.507	91	343698	10.585	ug/l	99
64) Chlorobenzene	11.771	112	205705	10.738	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	77920	11.696	ug/l	97
66) Ethyl Benzene	11.846	91	361009	10.386	ug/l	98
67) m/p-Xylenes	11.956	106	271865	21.006	ug/l	96
68) o-Xylene	12.283	106	131876	10.464	ug/l	94
69) Styrene	12.296	104	206765	10.146	ug/l	95
70) Isopropylbenzene	12.580	105	341566	10.551	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.830	83	107329	11.302	ug/l	99
72) 1,2,3-Trichloropropane	12.884	75	82898m	8.911	ug/l	
73) Bromobenzene	12.862	156	79470	10.897	ug/l	82
74) n-propylbenzene	12.921	91	383737	10.255	ug/l	96
75) 2-Chlorotoluene	13.010	91	237033	10.456	ug/l	93
76) 1,3,5-Trimethylbenzene	13.061	105	280481	10.347	ug/l	97
77) t-1,4-Dichloro-2-butene	12.629	75	30159	8.303	ug/l	84
78) 4-Chlorotoluene	13.106	91	220452	9.776	ug/l	95
79) tert-butylbenzene	13.326	119	241671	10.794	ug/l	94
80) 1,2,4-Trimethylbenzene	13.369	105	273406	10.077	ug/l	97
81) sec-Butylbenzene	13.503	105	327961	10.970	ug/l	99
82) p-Isopropyltoluene	13.618	119	262785	9.870	ug/l	97
83) 1,3-Dichlorobenzene	13.616	146	130786	10.250	ug/l	97
84) 1,4-Dichlorobenzene	13.696	146	126785	10.131	ug/l	97
85) n-Butylbenzene	13.946	91	203413	8.757	ug/l	95
86) Hexachloroethane	14.214	117	53391	11.552	ug/l	79
87) 1,2-Dichlorobenzene	13.991	146	128835	10.103	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.605	75	17991	9.829	ug/l #	75
89) 1,2,4-Trichlorobenzene	15.265	180	59374	8.928	ug/l	96
90) Hexachlorobutadiene	15.372	225	38036	12.612	ug/l	98
91) Naphthalene	15.509	128	126534	5.944	ug/l	98
92) 1,2,3-Trichlorobenzene	15.702	180	55642	8.340	ug/l	98

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

