

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080323\
 Data File : VN078755.D
 Acq On : 03 Aug 2023 16:07
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Aug 04 06:32:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda

08/04/2023
 Supervised By :Semsettin
 Yesilyurt

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

Internal Standards						
1) Bromochloromethane	7.824	128	98357	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	637400	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	478886	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	229218	31.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.633%
60) 4-Bromofluorobenzene	12.853	95	210241	29.295	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.633%
63) Toluene-d8	10.571	98	791046	33.439	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	111.467%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	104404	16.829	ug/l	98
3) Chloromethane	2.371	50	201225	26.349	ug/l	96
4) Vinyl Chloride	2.524	62	193180	18.614	ug/l #	87
5) Bromomethane	2.965	94	113126	14.582	ug/l	97
6) Chloroethane	3.130	64	106701	15.786	ug/l	96
7) Trichlorofluoromethane	3.506	101	301875	28.355	ug/l	99
8) Diethyl Ether	3.971	74	110362	31.753	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.383	101	109161	19.102	ug/l	97
10) 1,1-Dichloroethene	4.348	96	107607	19.637	ug/l	97
11) Methyl Iodide	4.600	142	145332	18.869	ug/l	98
12) Methyl Acetate	5.042	43	171073	19.248	ug/l	96
13) Acrolein	4.195	56	117525m	124.171	ug/l	
14) Acrylonitrile	5.736	53	253767	97.504	ug/l	98
15) Acetone	4.442	58	65229	86.502	ug/l	86
16) Carbon Disulfide	4.724	76	271452	17.537	ug/l	96
17) Allyl chloride	5.036	41	136127	18.194	ug/l	97
18) Methylene Chloride	5.300	84	130629	19.870	ug/l #	94
19) trans-1,2-Dichloroethene	5.800	96	117124	18.487	ug/l	95
20) Diisopropyl ether	6.683	45	333134	19.775	ug/l	97
21) 1,1-Dichloroethane	6.583	63	214537	19.232	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	132817	18.667	ug/l	98
23) tert-Butyl Alcohol	5.536	59	108532m	102.050	ug/l	
24) Methyl tert-Butyl Ether	5.818	73	353327	19.175	ug/l	99
25) Chloroform	7.971	83	242160	20.505	ug/l	97
26) Cyclohexane	8.271	56	159265	19.383	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	167115	17.818	ug/l	98
30) 2-Butanone	7.494	43	325902	87.902	ug/l	100
31) 2,2-Dichloropropane	7.500	77	162888	15.135	ug/l	99
32) 1,1,1-Trichloroethane	8.183	97	209038	17.616	ug/l	98
33) Carbon Tetrachloride	8.371	117	193469	18.357	ug/l	91
34) Benzene	8.618	78	505078	17.928	ug/l	99
35) Methacrylonitrile	7.789	41	71639	17.596	ug/l	86
36) 1,2-Dichloroethane	8.677	62	184429	18.640	ug/l	98
37) Trichloroethene	9.359	130	150343	19.016	ug/l	94
38) Methylcyclohexane	9.612	83	195071	20.243	ug/l	96
39) 1,2-Dichloropropane	9.630	63	161137	21.335	ug/l	98
40) Dibromomethane	9.712	93	114514	21.907	ug/l	99
41) Bromodichloromethane	9.894	83	233594	22.352	ug/l	91
42) Vinyl Acetate	6.618	43	1008278	84.589	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	137528	17.943	ug/l	94
44) Isopropyl Acetate	8.694	43	239548	17.813	ug/l	98
45) 1,4-Dioxane	9.706	88	50022	404.367	ug/l	90
46) Methyl methacrylate	9.688	41	141055	22.904	ug/l	94
47) n-amyl Acetate	12.500	43	177787	17.165	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	189626	17.001	ug/l	96
49) cis-1,3-Dichloropropene	10.318	75	248135	20.945	ug/l	95
50) 1,1,2-Trichloroethane	11.024	97	127919	17.287	ug/l	96
51) Ethyl methacrylate	10.882	69	171661	16.945	ug/l	89
52) 1,3-Dichloropropane	11.171	76	210190	15.804	ug/l	100
53) Dibromochloromethane	11.365	129	142765	17.079	ug/l	97
54) 1,2-Dibromoethane	11.477	107	128251	17.261	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	346208	107.247	ug/l	99
56) Bromoform	12.582	173	92265	16.869	ug/l	98
58) 4-Methyl-2-Pentanone	10.453	43	848622	118.392	ug/l	99
59) 2-Hexanone	11.200	43	494193	91.057	ug/l	97
61) Tetrachloroethene	11.112	164	119523	18.980	ug/l	92
62) Toluene	10.635	91	562798	19.538	ug/l	99
64) Chlorobenzene	11.900	112	329428	19.588	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	131447	19.818	ug/l	99
66) Ethyl Benzene	11.971	91	561876	19.354	ug/l	99
67) m/p-Xylenes	12.076	106	428840	38.671	ug/l	99
68) o-Xylene	12.406	106	212459	18.829	ug/l	99
69) Styrene	12.418	104	333205	18.353	ug/l	99
70) Isopropylbenzene	12.700	105	517351	18.534	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	169770	18.723	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	141461m	18.597	ug/l	
73) Bromobenzene	12.988	156	125383	18.326	ug/l	98
74) n-propylbenzene	13.041	91	567858	18.354	ug/l	100
75) 2-Chlorotoluene	13.129	91	369864	17.310	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	424757	17.043	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	46287	17.411	ug/l	86
78) 4-Chlorotoluene	13.229	91	349989	16.965	ug/l	98
79) tert-butylbenzene	13.441	119	341767	15.933	ug/l	91
80) 1,2,4-Trimethylbenzene	13.488	105	413529	17.373	ug/l	100
81) sec-Butylbenzene	13.623	105	448337	16.306	ug/l	98
82) p-Isopropyltoluene	13.735	119	373977	16.567	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	200835	16.553	ug/l	98
84) 1,4-Dichlorobenzene	13.818	146	192694	16.964	ug/l	99
85) n-Butylbenzene	14.065	91	258077	16.488	ug/l	100
86) Hexachloroethane	14.341	117	73177	17.793	ug/l	93
87) 1,2-Dichlorobenzene	14.112	146	200527	17.659	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	26960	17.507	ug/l	98
89) 1,2,4-Trichlorobenzene	15.400	180	51728	15.966	ug/l	98
90) Hexachlorobutadiene	15.506	225	44946	18.210	ug/l	96
91) Naphthalene	15.647	128	146715	14.948	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	63668	17.268	ug/l	95

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

