

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080253.D
 Acq On : 24 Nov 2023 10:43
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Nov 27 03:55:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 11/27/2023
 Supervised By :Mahesh
 Dadoda
 11/27/2023

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)	1

Internal Standards							
1) Bromochloromethane	7.818	128	39727	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.100	114	213235	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.865	117	197311	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	108566	32.556	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	= 108.533%		
60) 4-Bromofluorobenzene	12.853	95	103885	32.924	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 109.733%		
63) Toluene-d8	10.571	98	288229	30.830	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.767%		
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane	2.124	85	62845	24.262	ug/l		92
3) Chloromethane	2.359	50	42703	13.086	ug/l		94
4) Vinyl Chloride	2.518	62	49604	18.191	ug/l		100
5) Bromomethane	2.965	94	32292	21.629	ug/l		95
6) Chloroethane	3.124	64	31664	19.992	ug/l		98
7) Trichlorofluoromethane	3.501	101	107951	26.378	ug/l		99
8) Diethyl Ether	3.959	74	28260	19.236	ug/l		79
9) 1,1,2-Trichlorotrifluo...	4.377	101	48144	20.823	ug/l		88
10) 1,1-Dichloroethene	4.342	96	46800	22.881	ug/l		86
11) Methyl Iodide	4.589	142	56404	20.849	ug/l		90
12) Methyl Acetate	5.018	43	72952	13.757	ug/l #		89
13) Acrolein	4.177	56	35020	78.164	ug/l		98
14) Acrylonitrile	5.712	53	99031	78.625	ug/l		88
15) Acetone	4.430	58	36361	85.496	ug/l		81
16) Carbon Disulfide	4.712	76	125970	18.036	ug/l		96
17) Allyl chloride	5.024	41	51432	14.390	ug/l		95
18) Methylene Chloride	5.277	84	52312	19.071	ug/l #		84
19) trans-1,2-Dichloroethene	5.783	96	49283	19.439	ug/l		94
20) Diisopropyl ether	6.677	45	123849	14.828	ug/l #		93
21) 1,1-Dichloroethane	6.571	63	92045	18.463	ug/l		98
22) cis-1,2-Dichloroethene	7.488	96	56806	19.308	ug/l		96
23) tert-Butyl Alcohol	5.512	59	32073	94.340	ug/l #		100
24) Methyl tert-Butyl Ether	5.794	73	158843	21.091	ug/l		97
25) Chloroform	7.971	83	109734	21.323	ug/l		95
26) Cyclohexane	8.259	56	65412	16.678	ug/l #		86
29) 1,1-Dichloropropene	8.371	75	74992	20.491	ug/l		100
30) 2-Butanone	7.483	43	127967	73.218	ug/l #		89
31) 2,2-Dichloropropane	7.494	77	93240	23.573	ug/l		96
32) 1,1,1-Trichloroethane	8.171	97	108223	25.904	ug/l		96
33) Carbon Tetrachloride	8.365	117	100101	27.259	ug/l		99
34) Benzene	8.606	78	212521	19.548	ug/l		96
35) Methacrylonitrile	7.783	41	26298	14.352	ug/l		87
36) 1,2-Dichloroethane	8.671	62	90517	23.006	ug/l		97
37) Trichloroethene	9.353	130	56385	21.567	ug/l		98
38) Methylcyclohexane	9.600	83	67616	19.677	ug/l		95
39) 1,2-Dichloropropane	9.624	63	49511	17.206	ug/l		100
40) Dibromomethane	9.712	93	39138	21.042	ug/l		93
41) Bromodichloromethane	9.888	83	87069	22.602	ug/l		99
42) Vinyl Acetate	6.606	43	392579m	90.430	ug/l		

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	49190	14.982	ug/l	#	90
44) Isopropyl Acetate	8.688	43	82005	15.329	ug/l	#	88
45) 1,4-Dioxane	9.694	88	15557	377.340	ug/l	#	88
46) Methyl methacrylate	9.682	41	39693	15.435	ug/l		93
47) n-amyl Acetate	12.494	43	63812	14.850	ug/l		94
48) t-1,3-Dichloropropene	10.835	75	83261	21.163	ug/l		97
49) cis-1,3-Dichloropropene	10.312	75	85555	19.671	ug/l		93
50) 1,1,2-Trichloroethane	11.018	97	52847	20.829	ug/l		93
51) Ethyl methacrylate	10.876	69	68438	18.767	ug/l		84
52) 1,3-Dichloropropane	11.165	76	87402	19.268	ug/l		96
53) Dibromochloromethane	11.359	129	64362	23.713	ug/l		100
54) 1,2-Dibromoethane	11.471	107	51691	20.289	ug/l		99
55) 2-Chloroethyl vinyl ether	10.159	63	133771	79.755	ug/l	#	94
56) Bromoform	12.582	173	44551	25.048	ug/l		98
58) 4-Methyl-2-Pentanone	10.447	43	247100	74.961	ug/l	#	88
59) 2-Hexanone	11.200	43	189449	75.445	ug/l	#	89
61) Tetrachloroethene	11.106	164	58721	25.384	ug/l		92
62) Toluene	10.635	91	234907	20.584	ug/l		99
64) Chlorobenzene	11.894	112	140271	20.597	ug/l		97
65) 1,1,1,2-Tetrachloroethane	11.965	131	60383	24.171	ug/l		94
66) Ethyl Benzene	11.965	91	251844	21.001	ug/l		99
67) m/p-Xylenes	12.071	106	195836	43.864	ug/l		89
68) o-Xylene	12.400	106	92107	21.524	ug/l		94
69) Styrene	12.412	104	154176	21.764	ug/l		94
70) Isopropylbenzene	12.700	105	240382	22.520	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	63667	17.512	ug/l		98
72) 1,2,3-Trichloropropane	12.994	75	66109m	19.570	ug/l		
73) Bromobenzene	12.982	156	58797	22.406	ug/l		91
74) n-propylbenzene	13.035	91	273359	21.407	ug/l		98
75) 2-Chlorotoluene	13.129	91	180490	22.237	ug/l		99
76) 1,3,5-Trimethylbenzene	13.176	105	213978	24.236	ug/l		100
77) t-1,4-Dichloro-2-butene	12.735	75	20616	18.638	ug/l		92
78) 4-Chlorotoluene	13.223	91	181339	22.495	ug/l		97
79) tert-butylbenzene	13.441	119	165912	23.996	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	212077	24.497	ug/l		98
81) sec-Butylbenzene	13.617	105	223697	22.920	ug/l		98
82) p-Isopropyltoluene	13.735	119	192497	24.285	ug/l		96
83) 1,3-Dichlorobenzene	13.735	146	107503	22.482	ug/l		97
84) 1,4-Dichlorobenzene	13.812	146	107058	22.810	ug/l		96
85) n-Butylbenzene	14.059	91	148174	22.351	ug/l		96
86) Hexachloroethane	14.335	117	35422	22.981	ug/l		77
87) 1,2-Dichlorobenzene	14.106	146	105212	23.031	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	14105	21.215	ug/l		99
89) 1,2,4-Trichlorobenzene	15.841	180	48365	22.853	ug/l		96
90) Hexachlorobutadiene	15.506	225	30775	29.505	ug/l		99
91) Naphthalene	15.647	128	129509	19.068	ug/l		98
92) 1,2,3-Trichlorobenzene	15.841	180	48365	22.853	ug/l		96

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

