

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079620.D
 Acq On : 20 Oct 2023 11:31
 Operator : JC\MD
 Sample : VN1020WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1020WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone
 10/23/2023

Supervised By :Semsetun
 Yesilyurt
 10/24/2023

Quant Time: Oct 20 23:46:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	21477	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	152106	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	189213	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87552	28.672	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.567%
60) 4-Bromofluorobenzene	12.853	95	102855	29.725	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.100%
63) Toluene-d8	10.571	98	243783	30.067	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	55870	17.938	ug/l	98
3) Chloromethane	2.365	50	70080	17.360	ug/l	97
4) Vinyl Chloride	2.518	62	77788	17.855	ug/l	99
5) Bromomethane	2.959	94	45757	16.939	ug/l	91
6) Chloroethane	3.130	64	54330	17.718	ug/l	99
7) Trichlorofluoromethane	3.500	101	98789	18.583	ug/l	98
8) Diethyl Ether	3.965	74	32606	16.923	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	56886	18.703	ug/l	77
10) 1,1-Dichloroethene	4.347	96	50685	17.515	ug/l	93
11) Methyl Iodide	4.595	142	58786	18.348	ug/l	97
12) Methyl Acetate	5.030	43	123536	17.708	ug/l	95
13) Acrolein	4.183	56	54009	93.655	ug/l	100
14) Acrylonitrile	5.724	53	147517	88.300	ug/l #	81
15) Acetone	4.430	58	45711	86.373	ug/l	79
16) Carbon Disulfide	4.718	76	150426	17.047	ug/l	98
17) Allyl chloride	5.030	41	88146	19.756	ug/l	98
18) Methylene Chloride	5.277	84	65737	18.456	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	60360	18.644	ug/l	96
20) Diisopropyl ether	6.677	45	196423	18.567	ug/l	99
21) 1,1-Dichloroethane	6.577	63	119032	18.516	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	67978	18.230	ug/l	97
23) tert-Butyl Alcohol	5.518	59	41815	74.850	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	170786	17.589	ug/l	99
25) Chloroform	7.965	83	120458	18.544	ug/l	99
26) Cyclohexane	8.259	56	83757	17.235	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	86643	19.492	ug/l	99
30) 2-Butanone	7.488	43	203161	91.180	ug/l	99
31) 2,2-Dichloropropane	7.494	77	93558	18.667	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	101382	19.189	ug/l	99
33) Carbon Tetrachloride	8.365	117	89325	19.879	ug/l	96
34) Benzene	8.612	78	263030	19.476	ug/l	99
35) Methacrylonitrile	7.783	41	40008	17.069	ug/l	91
36) 1,2-Dichloroethane	8.677	62	94615	19.621	ug/l	100
37) Trichloroethene	9.359	130	60038	19.018	ug/l	98
38) Methylcyclohexane	9.606	83	76460	17.866	ug/l	99
39) 1,2-Dichloropropane	9.624	63	70235	19.707	ug/l	99
40) Dibromomethane	9.712	93	46212	19.758	ug/l	98
41) Bromodichloromethane	9.894	83	94761	19.550	ug/l	99
42) Vinyl Acetate	6.612	43	516000	91.293	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	80883	19.305	ug/l	93
44) Isopropyl Acetate	8.688	43	129194	17.346	ug/l	96
45) 1,4-Dioxane	9.694	88	19350	331.901	ug/l #	90
46) Methyl methacrylate	9.682	41	55832	16.897	ug/l	98
47) n-amyl Acetate	12.500	43	93195	17.338	ug/l	96
48) t-1,3-Dichloropropene	10.841	75	89871	18.341	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	99891	18.642	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	64664	19.929	ug/l	96
51) Ethyl methacrylate	10.876	69	81203	18.139	ug/l	97
52) 1,3-Dichloropropane	11.171	76	110827	19.280	ug/l	99
53) Dibromochloromethane	11.365	129	65406	19.723	ug/l	100
54) 1,2-Dibromoethane	11.471	107	61589	19.240	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	174903	102.401	ug/l	100
56) Bromoform	12.582	173	43486	19.822	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	404719	91.704	ug/l	99
59) 2-Hexanone	11.200	43	287461	88.784	ug/l	100
61) Tetrachloroethene	11.106	164	51499	19.823	ug/l	95
62) Toluene	10.635	91	278181	19.237	ug/l	99
64) Chlorobenzene	11.894	112	156982	18.717	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	62156	19.455	ug/l	96
66) Ethyl Benzene	11.965	91	278165	18.669	ug/l	97
67) m/p-Xylenes	12.076	106	213180	38.684	ug/l	97
68) o-Xylene	12.406	106	99723	18.929	ug/l	99
69) Styrene	12.418	104	163289	19.524	ug/l	98
70) Isopropylbenzene	12.700	105	260323	19.255	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	90823	18.893	ug/l	100
72) 1,2,3-Trichloropropane	13.000	75	80243m	18.381	ug/l	
73) Bromobenzene	12.982	156	60373	19.009	ug/l	97
74) n-propylbenzene	13.041	91	303064	19.254	ug/l	98
75) 2-Chlorotoluene	13.129	91	188342	19.247	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	214778	19.433	ug/l	97
77) t-1,4-Dichloro-2-butene	12.741	75	24975	18.744	ug/l	88
78) 4-Chlorotoluene	13.223	91	179685	19.435	ug/l	99
79) tert-butylbenzene	13.441	119	171379	19.286	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	209525	19.565	ug/l	100
81) sec-Butylbenzene	13.623	105	240565	19.284	ug/l	99
82) p-Isopropyltoluene	13.735	119	190749	19.276	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	103616	19.840	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	96012	19.177	ug/l	98
85) n-Butylbenzene	14.059	91	142280	18.402	ug/l	100
86) Hexachloroethane	14.341	117	40401	18.885	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	98707	19.015	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12788	17.458	ug/l	99
89) 1,2,4-Trichlorobenzene	15.847	180	27912	15.255	ug/l	94
90) Hexachlorobutadiene	15.506	225	24807	19.141	ug/l	98
91) Naphthalene	15.647	128	57852	12.258	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	27912	15.255	ug/l	94

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

