

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020923\
 Data File : VN076593.D
 Acq On : 09 Feb 2023 17:26
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Feb 10 05:13:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020923W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 10 05:08:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/10/2023
 Supervised By : Semsettin Yesilyurt 02/10/2023

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

Internal Standards						
1) Bromochloromethane	7.828	128	26893	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.104	114	191507	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.869	117	208299	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.587	65	97907	30.889	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.967%			
60) 4-Bromofluorobenzene	12.851	95	127057	27.019	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.067%			
63) Toluene-d8	10.569	98	229735	30.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.140	85	27618	7.420	ug/l	100
3) Chloromethane	2.375	50	41889	9.359	ug/l	96
4) Vinyl Chloride	2.528	62	37647	9.634	ug/l	97
5) Bromomethane	2.975	94	18419	9.388	ug/l	90
6) Chloroethane	3.134	64	21103	8.831	ug/l	94
7) Trichlorofluoromethane	3.510	101	67687	10.200	ug/l	97
8) Diethyl Ether	3.969	74	22277	10.584	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.393	101	36178	11.326	ug/l	88
10) 1,1-Dichloroethene	4.357	96	32070	10.684	ug/l #	78
11) Methyl Iodide	4.599	142	47495	10.881	ug/l	80
12) Methyl Acetate	5.046	43	64437	10.229	ug/l	92
13) Acrolein	4.193	56	39303	48.713	ug/l	98
14) Acrylonitrile	5.734	53	93812	50.833	ug/l	97
15) Acetone	4.446	58	28464m	53.447	ug/l	
16) Carbon Disulfide	4.728	76	87358	10.589	ug/l	100
17) Allyl chloride	5.040	41	59469	10.277	ug/l	90
18) Methylene Chloride	5.287	84	38496	10.838	ug/l #	87
19) trans-1,2-Dichloroethene	5.798	96	32856	10.650	ug/l	93
20) Diisopropyl ether	6.681	45	131415	9.949	ug/l	92
21) 1,1-Dichloroethane	6.587	63	72648	10.085	ug/l	97
22) cis-1,2-Dichloroethene	7.498	96	39402	10.664	ug/l	90
23) tert-Butyl Alcohol	5.534	59	30772	49.690	ug/l #	100
24) Methyl tert-Butyl Ether	5.804	73	117770	10.890	ug/l #	79
25) Chloroform	7.975	83	73384	10.296	ug/l	96
26) Cyclohexane	8.269	56	63382	9.916	ug/l #	94
29) 1,1-Dichloropropene	8.381	75	50750	10.238	ug/l	84
30) 2-Butanone	7.487	43	143637	53.682	ug/l	96
31) 2,2-Dichloropropane	7.492	77	55538	10.791	ug/l #	78
32) 1,1,1-Trichloroethane	8.181	97	64688	10.518	ug/l	97
33) Carbon Tetrachloride	8.369	117	55511	10.462	ug/l	95
34) Benzene	8.610	78	151921	9.974	ug/l #	91
35) Methacrylonitrile	7.792	41	31977	10.394	ug/l	89
36) 1,2-Dichloroethane	8.675	62	63164	10.814	ug/l	97
37) Trichloroethene	9.357	130	34465	11.052	ug/l	89
38) Methylcyclohexane	9.604	83	56984	10.386	ug/l	88
39) 1,2-Dichloropropane	9.628	63	40384	11.110	ug/l	95
40) Dibromomethane	9.716	93	25404	10.624	ug/l	93
41) Bromodichloromethane	9.892	83	54718	10.883	ug/l #	99
42) Vinyl Acetate	6.616	43	420216m	48.311	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.569	43	54982	10.078	ug/l	99
44) Isopropyl Acetate	8.692	43	90419	10.075	ug/l	97
45) 1,4-Dioxane	9.698	88	16095	219.996	ug/l #	80
46) Methyl methacrylate	9.686	41	47243	10.918	ug/l	83
47) n-amyl Acetate	12.498	43	78922	10.346	ug/l #	91
48) t-1,3-Dichloropropene	10.839	75	51504	10.176	ug/l	96
49) cis-1,3-Dichloropropene	10.316	75	58870	10.522	ug/l #	86
50) 1,1,2-Trichloroethane	11.016	97	34680	10.679	ug/l	93
51) Ethyl methacrylate	10.875	69	53858	10.445	ug/l	85
52) 1,3-Dichloropropane	11.169	76	66722	11.022	ug/l	99
53) Dibromochloromethane	11.363	129	36150	10.713	ug/l	98
54) 1,2-Dibromoethane	11.469	107	36620	11.144	ug/l	96
55) 2-Chloroethyl vinyl ether	10.163	63	117984	50.092	ug/l	97
56) Bromoform	12.580	173	22914	10.543	ug/l #	96
58) 4-Methyl-2-Pentanone	10.445	43	293969	50.485	ug/l	95
59) 2-Hexanone	11.198	43	209831	49.561	ug/l	94
61) Tetrachloroethene	11.110	164	28874	10.844	ug/l	92
62) Toluene	10.633	91	155320	10.057	ug/l	98
64) Chlorobenzene	11.892	112	88427	9.884	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.963	131	37130	10.947	ug/l	92
66) Ethyl Benzene	11.969	91	166750	9.849	ug/l	100
67) m/p-Xylenes	12.075	106	127045	20.000	ug/l	93
68) o-Xylene	12.404	106	61653	9.852	ug/l	92
69) Styrene	12.416	104	99568	10.024	ug/l	95
70) Isopropylbenzene	12.698	105	160701	9.582	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.939	83	51734	8.848	ug/l	90
72) 1,2,3-Trichloropropane	12.998	75	47159m	8.857	ug/l	
73) Bromobenzene	12.980	156	36095	9.070	ug/l	98
74) n-propylbenzene	13.039	91	189118	8.792	ug/l	100
75) 2-Chlorotoluene	13.127	91	122445	9.050	ug/l	96
76) 1,3,5-Trimethylbenzene	13.174	105	139265	8.893	ug/l	97
77) t-1,4-Dichloro-2-butene	12.739	75	14323	8.892	ug/l #	65
78) 4-Chlorotoluene	13.222	91	117653	8.648	ug/l	94
79) tert-butylbenzene	13.439	119	114249	8.595	ug/l	88
80) 1,2,4-Trimethylbenzene	13.486	105	137586	8.908	ug/l	93
81) sec-Butylbenzene	13.616	105	160627	8.630	ug/l	99
82) p-Isopropyltoluene	13.733	119	132671	8.871	ug/l	96
83) 1,3-Dichlorobenzene	13.733	146	65233	8.863	ug/l	95
84) 1,4-Dichlorobenzene	13.816	146	63493	8.646	ug/l	96
85) n-Butylbenzene	14.057	91	104852	7.550	ug/l	99
86) Hexachloroethane	14.339	117	25425	8.755	ug/l	98
87) 1,2-Dichlorobenzene	14.110	146	64831	8.024	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.727	75	11361	9.532	ug/l #	80
89) 1,2,4-Trichlorobenzene	15.392	180	31784	9.432	ug/l	97
90) Hexachlorobutadiene	15.504	225	17589	10.805	ug/l	91
91) Naphthalene	15.645	128	104982	9.131	ug/l	99
92) 1,2,3-Trichlorobenzene	15.845	180	32508	9.666	ug/l	96

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

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