

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072632.D
 Acq On : 26 May 2022 15:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 26 15:54:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 26 15:53:28 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	28472	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	185230	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	149583	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	88487	29.169	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.233%	
60) 4-Bromofluorobenzene	12.727	95	81948	28.485	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	94.933%	
63) Toluene-d8	10.439	98	265643	32.300	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	107.667%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.063	85	185701	81.096	ug/l	99
3) Chloromethane	2.293	50	282841	129.100	ug/l	95
4) Vinyl Chloride	2.434	62	237662	127.773	ug/l	100
5) Bromomethane	2.816	94	110428	79.113	ug/l	95
6) Chloroethane	2.993	64	141242	115.629	ug/l	97
7) Trichlorofluoromethane	3.357	101	274369	67.868	ug/l	99
8) Diethyl Ether	3.816	74	116424	88.312	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.204	101	147037	74.306	ug/l	75
10) 1,1-Dichloroethene	4.175	96	149188	81.245	ug/l	86
11) Methyl Iodide	4.416	142	155437	61.255	ug/l	97
12) Methyl Acetate	4.840	43	318707	105.219	ug/l	93
13) Acrolein	4.028	56	172884	390.933	ug/l	98
14) Acrylonitrile	5.545	53	674911	516.435	ug/l	99
15) Acetone	4.281	58	166934	488.127	ug/l	91
16) Carbon Disulfide	4.528	76	426393	89.512	ug/l	98
17) Allyl chloride	4.834	41	352571	104.035	ug/l	85
18) Methylene Chloride	5.087	84	189738	85.389	ug/l #	86
19) trans-1,2-Dichloroethene	5.592	96	159881	79.320	ug/l #	83
20) Diisopropyl ether	6.492	45	916950	129.050	ug/l #	87
21) 1,1-Dichloroethane	6.381	63	463412	112.916	ug/l	100
22) cis-1,2-Dichloroethene	7.316	96	252766	106.067	ug/l	95
23) tert-Butyl Alcohol	5.363	59	234734	439.931	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	609025	82.881	ug/l	98
25) Chloroform	7.810	83	424368	97.853	ug/l	98
26) Cyclohexane	8.092	56	388056	114.224	ug/l #	90
29) 1,1-Dichloropropene	8.216	75	356826	95.590	ug/l	97
30) 2-Butanone	7.328	43	1184903	528.717	ug/l	93
31) 2,2-Dichloropropane	7.316	77	349708	77.630	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	347448	68.284	ug/l	98
33) Carbon Tetrachloride	8.204	117	347982	77.845	ug/l	99
34) Benzene	8.457	78	1101258	101.959	ug/l	95
35) Methacrylonitrile	7.628	41	238322	103.237	ug/l	91
36) 1,2-Dichloroethane	8.522	62	354339	75.824	ug/l	95
37) Trichloroethene	9.210	130	261581	91.963	ug/l	95
38) Methylcyclohexane	9.457	83	440707	101.564	ug/l	94
39) 1,2-Dichloropropane	9.486	63	292347	106.537	ug/l	98
40) Dibromomethane	9.569	93	183834	90.500	ug/l	94
41) Bromodichloromethane	9.757	83	375919	87.806	ug/l	98
42) Vinyl Acetate	6.428	43	4109394	551.550	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	472692	108.759	ug/l	98
44) Isopropyl Acetate	8.557	43	730863	106.320	ug/l	98
45) 1,4-Dioxane	9.563	88	118614	1864.201	ug/l	92
46) Methyl methacrylate	9.557	41	333262	102.291	ug/l	83
47) n-amyl Acetate	12.380	43	520148	110.244	ug/l	96
48) t-1,3-Dichloropropene	10.710	75	391841	86.344	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	464030	99.556	ug/l #	90
50) 1,1,2-Trichloroethane	10.898	97	234924	81.965	ug/l	95
51) Ethyl methacrylate	10.757	69	439686	96.921	ug/l	87
52) 1,3-Dichloropropane	11.039	76	426083	85.914	ug/l	100
53) Dibromochloromethane	11.233	129	239776	72.058	ug/l	99
54) 1,2-Dibromoethane	11.339	107	241461	79.520	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	1090616	830.519	ug/l	97
56) Bromoform	12.451	173	201949	79.896	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	2445359	657.839	ug/l	97
59) 2-Hexanone	11.080	43	1695301	624.941	ug/l	99
61) Tetrachloroethene	10.974	164	182797	82.543	ug/l	93
62) Toluene	10.498	91	1073538	103.555	ug/l	98
64) Chlorobenzene	11.763	112	574589	90.122	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	261196	101.149	ug/l	98
66) Ethyl Benzene	11.839	91	1293491	112.553	ug/l	99
67) m/p-Xylenes	11.945	106	824728	189.326	ug/l	99
68) o-Xylene	12.274	106	443607	102.831	ug/l	99
69) Styrene	12.286	104	713279	104.160	ug/l	98
70) Isopropylbenzene	12.574	105	1127652	99.241	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	385221	108.804	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	272663m	83.754	ug/l	
73) Bromobenzene	12.857	156	225338	83.545	ug/l	83
74) n-propylbenzene	12.916	91	1296480	103.485	ug/l	98
75) 2-Chlorotoluene	13.004	91	806011	101.650	ug/l	96
76) 1,3,5-Trimethylbenzene	13.057	105	899118	94.177	ug/l	97
77) t-1,4-Dichloro-2-butene	12.621	75	134646	119.497	ug/l	94
78) 4-Chlorotoluene	13.098	91	691938	92.793	ug/l	95
79) tert-butylbenzene	13.321	119	750631	88.987	ug/l	97
80) 1,2,4-Trimethylbenzene	13.363	105	887923m	96.157	ug/l	
81) sec-Butylbenzene	13.498	105	1255709	111.390	ug/l	100
82) p-Isopropyltoluene	13.610	119	992459	107.684	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	476909	103.939	ug/l	98
84) 1,4-Dichlorobenzene	13.686	146	466488	104.414	ug/l	98
85) n-Butylbenzene	13.939	91	853901	122.191	ug/l	97
86) Hexachloroethane	14.204	117	194802	112.171	ug/l	91
87) 1,2-Dichlorobenzene	13.980	146	459906	102.199	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	83763	105.109	ug/l	91
89) 1,2,4-Trichlorobenzene	15.257	180	253402	120.856	ug/l	96
90) Hexachlorobutadiene	15.362	225	114789	93.419	ug/l	99
91) Naphthalene	15.498	128	918856	141.168	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	251784	118.234	ug/l	98

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

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