

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072656.D
 Acq On : 06 Jun 2022 10:53
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 06 13:10:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:10:13 2022
 Response via : Initial Calibration

06/07/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.651	128	41780	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	260959	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	233512	30.000	ug/l	0.00

06/07/2022

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	149930	35.616	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 118.733%#	
60) 4-Bromofluorobenzene	12.727	95	137788	32.764	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 109.200%	
63) Toluene-d8	10.439	98	390986	29.533	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.433%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.063	85	21921	7.691	ug/l	99
3) Chloromethane	2.293	50	23044	6.133	ug/l	96
4) Vinyl Chloride	2.440	62	18936	5.966	ug/l #	86
5) Bromomethane	2.840	94	10491	6.651	ug/l	84
6) Chloroethane	3.004	64	11939	5.915	ug/l	91
7) Trichlorofluoromethane	3.363	101	35176	7.524	ug/l	91
8) Diethyl Ether	3.828	74	13996	7.326	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	20057	7.850	ug/l	78
10) 1,1-Dichloroethene	4.175	96	18242	7.385	ug/l	96
11) Methyl Iodide	4.416	142	15624	6.411	ug/l	92
12) Methyl Acetate	4.846	43	34584	6.949	ug/l #	89
13) Acrolein	4.028	56	17038	31.271	ug/l	91
14) Acrylonitrile	5.545	53	64862	30.579	ug/l	98
15) Acetone	4.275	58	18299	33.287	ug/l	90
16) Carbon Disulfide	4.522	76	46487	6.969	ug/l	100
17) Allyl chloride	4.834	41	37274	7.096	ug/l	97
18) Methylene Chloride	5.093	84	21370	6.628	ug/l	94
19) trans-1,2-Dichloroethene	5.587	96	19946	7.381	ug/l	91
20) Diisopropyl ether	6.487	45	75210	6.331	ug/l #	93
21) 1,1-Dichloroethane	6.381	63	38829	6.364	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	23219	6.679	ug/l	92
23) tert-Butyl Alcohol	5.363	59	27874	35.285	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	74693	7.474	ug/l #	78
25) Chloroform	7.816	83	41556	6.630	ug/l	94
26) Cyclohexane	8.086	56	37081	6.522	ug/l #	93
29) 1,1-Dichloropropene	8.216	75	28700	5.973	ug/l	95
30) 2-Butanone	7.334	43	99624	30.479	ug/l	93
31) 2,2-Dichloropropane	7.316	77	39311	7.597	ug/l	96
32) 1,1,1-Trichloroethane	8.004	97	38313	6.930	ug/l	97
33) Carbon Tetrachloride	8.198	117	32981	6.750	ug/l	93
34) Benzene	8.451	78	86558	5.790	ug/l #	80
35) Methacrylonitrile	7.628	41	20643	6.141	ug/l	89
36) 1,2-Dichloroethane	8.522	62	36483	7.062	ug/l	100
37) Trichloroethene	9.210	130	19633	5.500	ug/l	86
38) Methylcyclohexane	9.451	83	37549	6.329	ug/l	92
39) 1,2-Dichloropropane	9.481	63	23257	5.796	ug/l	89
40) Dibromomethane	9.575	93	15583	6.027	ug/l	96
41) Bromodichloromethane	9.757	83	34699	6.567	ug/l	96
42) Vinyl Acetate	6.422	43	329981	30.771	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.410	43	40342	6.332	ug/l #	89	
44) Isopropyl Acetate	8.557	43	62895	6.282	ug/l	99	
45) 1,4-Dioxane	9.569	88	8989	107.196	ug/l #	77	
46) Methyl methacrylate	9.551	41	27149	5.783	ug/l	84	
47) n-amyl Acetate	12.386	43	43209	5.919	ug/l	100	
48) t-1,3-Dichloropropene	10.716	75	36705	6.364	ug/l	97	
49) cis-1,3-Dichloropropene	10.186	75	38769	6.248	ug/l	92	
50) 1,1,2-Trichloroethane	10.892	97	21884	5.794	ug/l	96	
51) Ethyl methacrylate	10.757	69	38234	5.908	ug/l	92	
52) 1,3-Dichloropropane	11.039	76	40369	6.034	ug/l	98	
53) Dibromochloromethane	11.233	129	24053	6.117	ug/l	98	
54) 1,2-Dibromoethane	11.339	107	22191	5.713	ug/l	100	
55) 2-Chloroethyl vinyl ether	10.033	63	74447	26.743	ug/l	99	
56) Bromoform	12.457	173	16292	5.836	ug/l #	97	
58) 4-Methyl-2-Pentanone	10.328	43	195758	29.110	ug/l	97	
59) 2-Hexanone	11.080	43	143717	29.676	ug/l	99	
61) Tetrachloroethene	10.975	164	18277	6.118	ug/l	94	
62) Toluene	10.498	91	93826	5.892	ug/l	95	
64) Chlorobenzene	11.769	112	53830	5.747	ug/l	94	
65) 1,1,1,2-Tetrachloroethane	11.833	131	21269	5.714	ug/l	97	
66) Ethyl Benzene	11.839	91	103828	5.800	ug/l	97	
67) m/p-Xylenes	11.951	106	75233	11.679	ug/l	91	
68) o-Xylene	12.274	106	38367	5.938	ug/l	92	
69) Styrene	12.292	104	57460	5.632	ug/l	95	
70) Isopropylbenzene	12.574	105	99614	6.024	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.821	83	33757	5.956	ug/l	99	
72) 1,2,3-Trichloropropane	12.874	75	29319m	5.463	ug/l		
73) Bromobenzene	12.857	156	19935	5.591	ug/l	74	
74) n-propylbenzene	12.916	91	108844	5.805	ug/l	99	
75) 2-Chlorotoluene	13.004	91	70880	6.193	ug/l	92	
76) 1,3,5-Trimethylbenzene	13.057	105	81026	6.152	ug/l	99	
77) t-1,4-Dichloro-2-butene	12.621	75	11941	6.234	ug/l	91	
78) 4-Chlorotoluene	13.098	91	64630	6.186	ug/l	93	
79) tert-butylbenzene	13.316	119	69852	6.062	ug/l	92	
80) 1,2,4-Trimethylbenzene	13.498	105	96887	7.307	ug/l #	100	
81) sec-Butylbenzene	13.498	105	96887	5.853	ug/l	97	
82) p-Isopropyltoluene	13.610	119	76142	5.930	ug/l	99	
83) 1,3-Dichlorobenzene	13.610	146	33517	5.392	ug/l	97	
84) 1,4-Dichlorobenzene	13.686	146	31171	5.155	ug/l	94	
85) n-Butylbenzene	13.939	91	61365	5.734	ug/l	97	
86) Hexachloroethane	14.204	117	16936	6.409	ug/l	93	
87) 1,2-Dichlorobenzene	13.986	146	33854	5.543	ug/l	96	
88) 1,2-Dibromo-3-Chloropr...	14.598	75	7312	6.202	ug/l	86	
89) 1,2,4-Trichlorobenzene	15.257	180	15046	4.946	ug/l	95	
90) Hexachlorobutadiene	15.368	225	8304	5.567	ug/l	84	
91) Naphthalene	15.504	128	50254	4.553	ug/l	97	
92) 1,2,3-Trichlorobenzene	15.698	180	14161	4.589	ug/l	97	

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

Manual Integrations

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