

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031722\
 Data File : VN071337.D
 Acq On : 16 Mar 2022 23:14
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Mar 17 06:08:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N031722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 17 06:07:38 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/17/2022
 Supervised By : Semsettin Yesilyurt 03/21/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	118038	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	652495	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	569734	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	282428	27.559	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.867%		
60) 4-Bromofluorobenzene	12.727	95	246810	26.610	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	88.700%		
63) Toluene-d8	10.439	98	828454	31.586	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	105.300%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.069	85	32885	3.922	ug/l	95
3) Chloromethane	2.299	50	49998	5.039	ug/l	96
4) Vinyl Chloride	2.440	62	44006	4.712	ug/l	99
5) Bromomethane	2.834	94	25750	5.061	ug/l	99
6) Chloroethane	3.005	64	27859	5.130	ug/l	98
7) Trichlorofluoromethane	3.363	101	56743	4.715	ug/l	97
8) Diethyl Ether	3.828	74	25131	5.164	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.216	101	32296m	4.605	ug/l	
10) 1,1-Dichloroethene	4.175	96	32794	4.846	ug/l	98
11) Methyl Iodide	4.422	142	40100	4.267	ug/l	85
12) Methyl Acetate	4.857	43	72158	4.489	ug/l #	89
13) Acrolein	4.040	56	40755	28.299	ug/l	99
14) Acrylonitrile	5.557	53	131276	26.422	ug/l	96
15) Acetone	4.287	58	35102	21.339	ug/l	98
16) Carbon Disulfide	4.528	76	83621	4.210	ug/l	96
17) Allyl chloride	4.846	41	63870	4.244	ug/l	75
18) Methylene Chloride	5.093	84	42350	5.164	ug/l	92
19) trans-1,2-Dichloroethene	5.604	96	33645	4.698	ug/l	96
20) Diisopropyl ether	6.487	45	135188	4.676	ug/l #	95
21) 1,1-Dichloroethane	6.387	63	70699	4.594	ug/l	96
22) cis-1,2-Dichloroethene	7.322	96	42217	4.933	ug/l	97
23) tert-Butyl Alcohol	5.369	59	44975	27.348	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	123642	5.045	ug/l	95
25) Chloroform	7.816	83	71463	4.712	ug/l	95
26) Cyclohexane	8.098	56	63414	4.494	ug/l #	87
29) 1,1-Dichloropropene	8.222	75	49916	4.481	ug/l	95
30) 2-Butanone	7.334	43	184131	23.888	ug/l	94
31) 2,2-Dichloropropane	7.322	77	50302	4.352	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	60804	4.669	ug/l	97
33) Carbon Tetrachloride	8.204	117	48576	4.246	ug/l	92
34) Benzene	8.457	78	163919	4.912	ug/l #	82
35) Methacrylonitrile	7.634	41	35424	4.825	ug/l	80
36) 1,2-Dichloroethane	8.528	62	59829	4.624	ug/l	99
37) Trichloroethene	9.216	130	37648	4.753	ug/l	98
38) Methylcyclohexane	9.457	83	56925	4.283	ug/l	92
39) 1,2-Dichloropropane	9.487	63	42700	4.797	ug/l	93
40) Dibromomethane	9.581	93	27245	4.696	ug/l	91
41) Bromodichloromethane	9.757	83	52392	4.304	ug/l	95
42) Vinyl Acetate	6.428	43	572061	24.480	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	71810	5.166	ug/l	95
44) Isopropyl Acetate	8.557	43	127966	5.758	ug/l	93
45) 1,4-Dioxane	9.569	88	20264	122.219	ug/l	88
46) Methyl methacrylate	9.557	41	49306	4.804	ug/l	82
47) n-amyl Acetate	12.386	43	60151	3.871	ug/l	93
48) t-1,3-Dichloropropene	10.716	75	53657	4.294	ug/l	95
49) cis-1,3-Dichloropropene	10.186	75	58533	4.322	ug/l	93
50) 1,1,2-Trichloroethane	10.892	97	39655	4.964	ug/l	99
51) Ethyl methacrylate	10.757	69	58748	4.484	ug/l	86
52) 1,3-Dichloropropane	11.045	76	69894	4.919	ug/l	98
53) Dibromochloromethane	11.233	129	36979	4.168	ug/l	95
54) 1,2-Dibromoethane	11.345	107	39576	4.822	ug/l	94
55) 2-Chloroethyl vinyl ether	10.039	63	79176	28.177	ug/l	98
56) Bromoform	12.451	173	28034	4.145	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	337679	25.245	ug/l	97
59) 2-Hexanone	11.081	43	248990	25.233	ug/l	99
61) Tetrachloroethene	10.975	164	32528	4.964	ug/l	93
62) Toluene	10.504	91	166174	4.950	ug/l	96
64) Chlorobenzene	11.769	112	97796	4.893	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.839	131	35292	4.694	ug/l	95
66) Ethyl Benzene	11.839	91	168673	4.540	ug/l	99
67) m/p-Xylenes	11.951	106	125127	9.180	ug/l	100
68) o-Xylene	12.275	106	63385	4.667	ug/l	99
69) Styrene	12.292	104	90239	4.117	ug/l	97
70) Isopropylbenzene	12.575	105	154769	4.378	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.822	83	62278	5.291	ug/l	97
72) 1,2,3-Trichloropropane	12.875	75	55897m	5.294	ug/l	
73) Bromobenzene	12.857	156	38216	4.659	ug/l	94
74) n-propylbenzene	12.916	91	160765	3.968	ug/l	99
75) 2-Chlorotoluene	13.004	91	109694	4.398	ug/l	99
76) 1,3,5-Trimethylbenzene	13.057	105	121358	4.204	ug/l	96
77) t-1,4-Dichloro-2-butene	12.622	75	15020	4.318	ug/l	97
78) 4-Chlorotoluene	13.098	91	95737	4.043	ug/l	96
79) tert-butylbenzene	13.322	119	113301	4.465	ug/l	95
80) 1,2,4-Trimethylbenzene	13.363	105	114124	4.078	ug/l #	80
81) sec-Butylbenzene	13.498	105	141911	4.063	ug/l	100
82) p-Isopropyltoluene	13.610	119	110059	3.954	ug/l	97
83) 1,3-Dichlorobenzene	13.610	146	57348	4.162	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	53683	4.059	ug/l	99
85) n-Butylbenzene	13.939	91	71443	3.136	ug/l	95
86) Hexachloroethane	14.204	117	22399	4.057	ug/l	78
87) 1,2-Dichlorobenzene	13.986	146	57714	4.338	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	9879	4.344	ug/l	99
89) 1,2,4-Trichlorobenzene	15.263	180	19561	3.168	ug/l	98
90) Hexachlorobutadiene	15.368	225	16032	4.441	ug/l	97
91) Naphthalene	15.504	128	49998	2.989	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	21308	3.605	ug/l	95

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

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