

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072637.D
 Acq On : 26 May 2022 19:05
 Operator : JC\MD
 Sample : VN0526WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0526WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: May 31 14:52:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

05/31/2022
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.657	128	31431	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	179630	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	103190	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	83924	27.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.000%
60) 4-Bromofluorobenzene	12.728	95	52140	28.771	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.900%
63) Toluene-d8	10.440	98	187459	31.949	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	35647	16.597	ug/l	95
3) Chloromethane	2.299	50	56041	19.459	ug/l	97
4) Vinyl Chloride	2.440	62	43911	18.236	ug/l	100
5) Bromomethane	2.858	94	20628	17.618	ug/l	95
6) Chloroethane	3.016	64	29744	19.745	ug/l	93
7) Trichlorofluoromethane	3.369	101	52715	15.277	ug/l	100
8) Diethyl Ether	3.822	74	21228	14.662	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.210	101	27411	14.221	ug/l	75
10) 1,1-Dichloroethene	4.181	96	27298	14.422	ug/l	82
11) Methyl Iodide	4.422	142	24161	13.332	ug/l	98
12) Methyl Acetate	4.846	43	59786	16.095	ug/l #	87
13) Acrolein	4.040	56	29810	70.074	ug/l	99
14) Acrylonitrile	5.546	53	123974	77.480	ug/l	99
15) Acetone	4.281	58	33017	80.157	ug/l	88
16) Carbon Disulfide	4.528	76	75879	14.616	ug/l	100
17) Allyl chloride	4.834	41	54214	13.786	ug/l	81
18) Methylene Chloride	5.093	84	34936	14.039	ug/l #	79
19) trans-1,2-Dichloroethene	5.593	96	29176	14.093	ug/l #	81
20) Diisopropyl ether	6.493	45	139260	15.445	ug/l #	91
21) 1,1-Dichloroethane	6.381	63	68396	14.903	ug/l	96
22) cis-1,2-Dichloroethene	7.316	96	55833	21.234	ug/l	98
23) tert-Butyl Alcohol	5.357	59	44448	82.759	ug/l #	100
24) Methyl tert-Butyl Ether	5.605	73	113285	15.579	ug/l	99
25) Chloroform	7.810	83	89431	19.180	ug/l	99
26) Cyclohexane	8.098	56	72384	16.722	ug/l #	93
29) 1,1-Dichloropropene	8.222	75	58125	17.110	ug/l	95
30) 2-Butanone	7.328	43	244908	107.061	ug/l	95
31) 2,2-Dichloropropane	7.322	77	71864	20.887	ug/l	100
32) 1,1,1-Trichloroethane	8.016	97	67578	17.932	ug/l	94
33) Carbon Tetrachloride	8.204	117	57629	17.222	ug/l	88
34) Benzene	8.451	78	187878	17.593	ug/l	96
35) Methacrylonitrile	7.628	41	49673	21.288	ug/l	87
36) 1,2-Dichloroethane	8.528	62	70144	20.214	ug/l	98
37) Trichloroethene	9.210	130	48016	18.891	ug/l	96
38) Methylcyclohexane	9.457	83	67859	16.173	ug/l	90
39) 1,2-Dichloropropane	9.481	63	49970	17.547	ug/l	96
40) Dibromomethane	9.575	93	26210	14.514	ug/l	98
41) Bromodichloromethane	9.757	83	52179	14.415	ug/l	91
42) Vinyl Acetate	6.428	43	601956	80.626	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	92687	21.129	ug/l	97
44) Isopropyl Acetate	8.557	43	138246	20.226	ug/l	98
45) 1,4-Dioxane	9.557	88	19127	333.765	ug/l	91
46) Methyl methacrylate	9.557	41	54424	16.900	ug/l	80
47) n-amyl Acetate	12.381	43	71570	14.372	ug/l	99
48) t-1,3-Dichloropropene	10.716	75	54267	13.879	ug/l	100
49) cis-1,3-Dichloropropene	10.187	75	60256	13.987	ug/l	96
50) 1,1,2-Trichloroethane	10.892	97	35262	13.283	ug/l	94
51) Ethyl methacrylate	10.757	69	60828	13.590	ug/l	87
52) 1,3-Dichloropropane	11.039	76	64748	13.832	ug/l	98
53) Dibromochloromethane	11.234	129	36539	13.388	ug/l	99
54) 1,2-Dibromoethane	11.339	107	35168	12.902	ug/l	94
55) 2-Chloroethyl vinyl ether	10.040	63	130079	66.438	ug/l	95
56) Bromoform	12.451	173	22839	11.592	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	367876	123.422	ug/l #	94
59) 2-Hexanone	11.081	43	267268	125.731	ug/l	95
61) Tetrachloroethene	10.975	164	25937	18.992	ug/l	90
62) Toluene	10.498	91	152336	21.029	ug/l	99
64) Chlorobenzene	11.769	112	84071	19.972	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.834	131	31691	19.119	ug/l	95
66) Ethyl Benzene	11.839	91	161287	20.183	ug/l	99
67) m/p-Xylenes	11.945	106	114915	39.565	ug/l	97
68) o-Xylene	12.275	106	56747	19.638	ug/l	94
69) Styrene	12.292	104	88354	19.298	ug/l	98
70) Isopropylbenzene	12.575	105	147148	19.931	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	53305	21.031	ug/l	98
72) 1,2,3-Trichloropropane	12.875	75	49881m	23.322	ug/l	
73) Bromobenzene	12.857	156	29981	18.486	ug/l	81
74) n-propylbenzene	12.916	91	164955	19.760	ug/l	98
75) 2-Chlorotoluene	12.998	91	100811	19.910	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	113385	19.461	ug/l	100
77) t-1,4-Dichloro-2-butene	12.622	75	16743	20.032	ug/l	97
78) 4-Chlorotoluene	13.098	91	91262	19.797	ug/l	92
79) tert-butylbenzene	13.316	119	102915	20.185	ug/l	99
80) 1,2,4-Trimethylbenzene	13.363	105	110840	19.712	ug/l #	81
81) sec-Butylbenzene	13.498	105	137100	18.587	ug/l	98
82) p-Isopropyltoluene	13.610	119	104578	18.288	ug/l	99
83) 1,3-Dichlorobenzene	13.610	146	49748	17.674	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	46833	17.126	ug/l	99
85) n-Butylbenzene	13.933	91	109845	23.377	ug/l	97
86) Hexachloroethane	14.204	117	28784	25.274	ug/l	99
87) 1,2-Dichlorobenzene	13.980	146	68085	24.489	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.598	75	15392	31.258	ug/l	94
89) 1,2,4-Trichlorobenzene	15.257	180	40373	29.432	ug/l	96
90) Hexachlorobutadiene	15.363	225	21010	30.540	ug/l	98
91) Naphthalene	15.498	128	145127	30.149	ug/l	99
92) 1,2,3-Trichlorobenzene	15.692	180	42892	30.628	ug/l	99

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

