

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041422\
 Data File : VN071990.D
 Acq On : 14 Apr 2022 11:52
 Operator : JC\MD
 Sample : VN0414WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/15/2022

Quant Time: Apr 15 01:36:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 24 12:03:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	77551	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	434770	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	416073	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	163700	29.960	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.867%		
60) 4-Bromofluorobenzene	12.727	95	181754	29.461	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.200%		
63) Toluene-d8	10.439	98	550484	29.146	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.167%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	92558	19.175	ug/l	98
3) Chloromethane	2.299	50	105991	18.630	ug/l	98
4) Vinyl Chloride	2.440	62	103762	15.904	ug/l	99
5) Bromomethane	2.846	94	75341	19.597	ug/l	94
6) Chloroethane	3.016	64	64321	15.395	ug/l	95
7) Trichlorofluoromethane	3.375	101	134623	17.698	ug/l	98
8) Diethyl Ether	3.828	74	60823	19.029	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.216	101	84436	18.535	ug/l #	62
10) 1,1-Dichloroethene	4.181	96	80148	17.839	ug/l	91
11) Methyl Iodide	4.416	142	119665	18.176	ug/l	85
12) Methyl Acetate	4.851	43	119491	18.872	ug/l	94
13) Acrolein	4.040	56	75800	112.526	ug/l	97
14) Acrylonitrile	5.545	53	287571	100.278	ug/l	96
15) Acetone	4.281	58	77456	93.855	ug/l	74
16) Carbon Disulfide	4.528	76	212075	18.129	ug/l	100
17) Allyl chloride	4.840	41	125577	17.232	ug/l	77
18) Methylene Chloride	5.092	84	107865	20.012	ug/l	97
19) trans-1,2-Dichloroethene	5.592	96	91245	18.988	ug/l	97
20) Diisopropyl ether	6.492	45	285768	18.742	ug/l #	93
21) 1,1-Dichloroethane	6.387	63	173591	18.857	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	113869	19.504	ug/l	91
23) tert-Butyl Alcohol	5.357	59	89810	87.766	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	309187m	19.068	ug/l	
25) Chloroform	7.816	83	177847	19.209	ug/l	100
26) Cyclohexane	8.092	56	138994	17.468	ug/l #	97
29) 1,1-Dichloropropene	8.216	75	121685	17.292	ug/l	99
30) 2-Butanone	7.328	43	348919	89.074	ug/l	94
31) 2,2-Dichloropropane	7.322	77	129010	16.093	ug/l	97
32) 1,1,1-Trichloroethane	8.010	97	143464	17.504	ug/l	99
33) Carbon Tetrachloride	8.204	117	122043	17.591	ug/l	99
34) Benzene	8.457	78	414142	18.942	ug/l	96
35) Methacrylonitrile	7.633	41	70680	18.806	ug/l	89
36) 1,2-Dichloroethane	8.528	62	137680	18.051	ug/l #	92
37) Trichloroethene	9.216	130	103290	18.309	ug/l	98
38) Methylcyclohexane	9.457	83	150679	16.987	ug/l	97
39) 1,2-Dichloropropane	9.486	63	104709	19.142	ug/l	97
40) Dibromomethane	9.575	93	71439	19.294	ug/l	85
41) Bromodichloromethane	9.757	83	139225	18.791	ug/l	95
42) Vinyl Acetate	6.434	43	1192459	88.844	ug/l #	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	147277	19.389	ug/l	97
44) Isopropyl Acetate	8.557	43	209892	17.229	ug/l	91
45) 1,4-Dioxane	9.563	88	49290	401.009	ug/l #	93
46) Methyl methacrylate	9.557	41	87814	16.437	ug/l	76
47) n-amyl Acetate	12.380	43	127812m	15.722	ug/l	
48) t-1,3-Dichloropropene	10.716	75	142763	17.728	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	160472	18.222	ug/l #	82
50) 1,1,2-Trichloroethane	10.892	97	109988	19.871	ug/l	98
51) Ethyl methacrylate	10.757	69	158575	18.555	ug/l #	75
52) 1,3-Dichloropropane	11.039	76	182617	19.319	ug/l	100
53) Dibromochloromethane	11.233	129	112401	19.617	ug/l	97
54) 1,2-Dibromoethane	11.345	107	110913	19.480	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	192072	83.413	ug/l	98
56) Bromoform	12.457	173	85509	19.355	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	697662	88.331	ug/l	89
59) 2-Hexanone	11.080	43	493491	85.577	ug/l #	87
61) Tetrachloroethene	10.974	164	92821	18.330	ug/l	90
62) Toluene	10.504	91	457598	18.138	ug/l	96
64) Chlorobenzene	11.763	112	281246	18.073	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.833	131	103770	18.177	ug/l	98
66) Ethyl Benzene	11.839	91	468137	17.075	ug/l	96
67) m/p-Xylenes	11.951	106	369784	34.670	ug/l	96
68) o-Xylene	12.274	106	186986	17.638	ug/l	92
69) Styrene	12.292	104	287537	17.234	ug/l	96
70) Isopropylbenzene	12.574	105	445779	16.754	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	164027	18.941	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	140053m	18.825	ug/l	
73) Bromobenzene	12.857	156	111004	17.101	ug/l	95
74) n-propylbenzene	12.916	91	468934	16.148	ug/l	97
75) 2-Chlorotoluene	13.004	91	308145	16.980	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	369003	17.286	ug/l	94
77) t-1,4-Dichloro-2-butene	12.621	75	41226	15.782	ug/l	87
78) 4-Chlorotoluene	13.098	91	278243	16.417	ug/l	99
79) tert-butylbenzene	13.321	119	320318	16.629	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	352020	16.996	ug/l #	80
81) sec-Butylbenzene	13.498	105	410425	15.857	ug/l	98
82) p-Isopropyltoluene	13.610	119	328161	15.605	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	179008	16.854	ug/l	99
84) 1,4-Dichlorobenzene	13.692	146	169328	16.703	ug/l	98
85) n-Butylbenzene	13.939	91	212823	13.625	ug/l	94
86) Hexachloroethane	14.204	117	63388	16.141	ug/l	79
87) 1,2-Dichlorobenzene	13.986	146	177965	17.331	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	24929	16.179	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.262	180	73182	15.418	ug/l	97
90) Hexachlorobutadiene	15.368	225	49806	17.708	ug/l	97
91) Naphthalene	15.504	128	183557	16.919	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	72142	15.497	ug/l	97

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

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