

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071568.D
 Acq On : 26 Mar 2022 12:37
 Operator : JC\MD
 Sample : VN0326WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0326WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 28 01:43:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	112326	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	610632	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	550078	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	233265	29.475	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.267%		
60) 4-Bromofluorobenzene	12.727	95	244280	29.950	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.833%		
63) Toluene-d8	10.439	98	770427	30.853	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	122095	17.463	ug/l	96
3) Chloromethane	2.299	50	137379	16.672	ug/l	98
4) Vinyl Chloride	2.440	62	159267	16.854	ug/l	98
5) Bromomethane	2.852	94	106095	19.052	ug/l	100
6) Chloroethane	3.016	64	105974	17.512	ug/l	95
7) Trichlorofluoromethane	3.375	101	190531	17.293	ug/l	95
8) Diethyl Ether	3.822	74	76645	16.556	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	117928	17.872	ug/l #	66
10) 1,1-Dichloroethene	4.181	96	110938	17.047	ug/l	94
11) Methyl Iodide	4.422	142	160902	16.873	ug/l	92
12) Methyl Acetate	4.851	43	159136	17.352	ug/l	99
13) Acrolein	4.046	56	81973	84.016	ug/l	99
14) Acrylonitrile	5.551	53	358317	86.265	ug/l	98
15) Acetone	4.281	58	92538	77.415	ug/l	81
16) Carbon Disulfide	4.528	76	262322	15.482	ug/l	98
17) Allyl chloride	4.846	41	170082	16.114	ug/l	87
18) Methylene Chloride	5.093	84	132229	16.938	ug/l	97
19) trans-1,2-Dichloroethene	5.598	96	119903	17.227	ug/l	97
20) Diisopropyl ether	6.487	45	382726	17.330	ug/l	97
21) 1,1-Dichloroethane	6.381	63	227439	17.058	ug/l	97
22) cis-1,2-Dichloroethene	7.322	96	144206	17.053	ug/l	97
23) tert-Butyl Alcohol	5.357	59	123290	83.184	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	406766	17.319	ug/l	93
25) Chloroform	7.816	83	242877	18.111	ug/l	97
26) Cyclohexane	8.092	56	191771	16.639	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	170363	17.237	ug/l	98
30) 2-Butanone	7.328	43	459168	83.460	ug/l	96
31) 2,2-Dichloropropane	7.322	77	191521	17.010	ug/l	100
32) 1,1,1-Trichloroethane	8.010	97	201085	17.468	ug/l	97
33) Carbon Tetrachloride	8.204	117	168661	17.309	ug/l	96
34) Benzene	8.457	78	540168	17.591	ug/l	97
35) Methacrylonitrile	7.628	41	95793	18.148	ug/l	95
36) 1,2-Dichloroethane	8.528	62	185503	17.316	ug/l	96
37) Trichloroethene	9.210	130	139032	17.547	ug/l	96
38) Methylcyclohexane	9.457	83	208903	16.768	ug/l	97
39) 1,2-Dichloropropane	9.486	63	133891	17.427	ug/l	100
40) Dibromomethane	9.575	93	92499	17.787	ug/l	87
41) Bromodichloromethane	9.763	83	181080	17.401	ug/l	94
42) Vinyl Acetate	6.428	43	1605168	85.150	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	180767	16.944	ug/l	99
44) Isopropyl Acetate	8.557	43	305718	17.867	ug/l	98
45) 1,4-Dioxane	9.563	88	62948	364.634	ug/l	95
46) Methyl methacrylate	9.557	41	136368	18.174	ug/l	82
47) n-amyl Acetate	12.386	43	182490	15.983	ug/l	92
48) t-1,3-Dichloropropene	10.716	75	189462	16.751	ug/l	97
49) cis-1,3-Dichloropropene	10.186	75	209432	16.932	ug/l #	86
50) 1,1,2-Trichloroethane	10.892	97	138887	17.866	ug/l	97
51) Ethyl methacrylate	10.757	69	201020	16.747	ug/l	81
52) 1,3-Dichloropropane	11.039	76	233399	17.580	ug/l	99
53) Dibromochloromethane	11.233	129	140434	17.451	ug/l	100
54) 1,2-Dibromoethane	11.345	107	140340	17.550	ug/l	98
55) 2-Chloroethyl vinyl ether	10.033	63	260706	80.612	ug/l	97
56) Bromoform	12.457	173	105460	16.997	ug/l #	100
58) 4-Methyl-2-Pentanone	10.328	43	924539	88.540	ug/l	93
59) 2-Hexanone	11.080	43	649740	85.224	ug/l	91
61) Tetrachloroethene	10.975	164	121197	18.103	ug/l	93
62) Toluene	10.504	91	596142	17.873	ug/l	97
64) Chlorobenzene	11.769	112	363029	17.645	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	136211	18.047	ug/l	97
66) Ethyl Benzene	11.839	91	631984	17.436	ug/l	96
67) m/p-Xylenes	11.951	106	499606	35.430	ug/l	94
68) o-Xylene	12.275	106	244942	17.477	ug/l	96
69) Styrene	12.292	104	377186	17.100	ug/l	98
70) Isopropylbenzene	12.574	105	623743	17.732	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.822	83	207336	18.110	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	185353m	18.845	ug/l	
73) Bromobenzene	12.857	156	148667	17.324	ug/l	96
74) n-propylbenzene	12.916	91	663149	17.273	ug/l	98
75) 2-Chlorotoluene	13.004	91	425528	17.736	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	497633	17.633	ug/l	94
77) t-1,4-Dichloro-2-butene	12.622	75	55625	16.106	ug/l	95
78) 4-Chlorotoluene	13.104	91	383263	17.104	ug/l	98
79) tert-butylbenzene	13.322	119	444105	17.439	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	476284m	17.394	ug/l	
81) sec-Butylbenzene	13.498	105	586801	17.149	ug/l	97
82) p-Isopropyltoluene	13.610	119	475654	17.109	ug/l	96
83) 1,3-Dichlorobenzene	13.616	146	246219	17.534	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	227880	17.002	ug/l	98
85) n-Butylbenzene	13.939	91	326977	15.834	ug/l	96
86) Hexachloroethane	14.204	117	87335	16.822	ug/l	80
87) 1,2-Dichlorobenzene	13.986	146	238784	17.589	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	33632	16.510	ug/l	86
89) 1,2,4-Trichlorobenzene	15.263	180	99087	15.790	ug/l	97
90) Hexachlorobutadiene	15.368	225	71499	19.227	ug/l	99
91) Naphthalene	15.504	128	241243	13.828	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	97798	15.890	ug/l	98

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

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