

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041522\
 Data File : VN072007.D
 Acq On : 15 Apr 2022 17:14
 Operator : JC\MD
 Sample : VN0415WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/18/2022
 Supervised By :Semsettin Yesilyurt 04/18/2022

Quant Time: Apr 15 23:28:35 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	7.657	128	87916	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	472623	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	445608	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	172462	27.843	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	92.800%	
60) 4-Bromofluorobenzene	12.727	95	191330	28.958	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.533%	
63) Toluene-d8	10.439	98	600829	29.703	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.000%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	113892	20.813	ug/l	99
3) Chloromethane	2.304	50	120891	18.744	ug/l	97
4) Vinyl Chloride	2.440	62	125351	16.948	ug/l	97
5) Bromomethane	2.851	94	82343	18.893	ug/l	99
6) Chloroethane	3.016	64	72139	15.231	ug/l	97
7) Trichlorofluoromethane	3.375	101	168000	19.482	ug/l	98
8) Diethyl Ether	3.828	74	70273	19.394	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.210	101	99901	19.344	ug/l #	62
10) 1,1-Dichloroethene	4.181	96	97526	19.147	ug/l	89
11) Methyl Iodide	4.428	142	138333	18.534	ug/l	89
12) Methyl Acetate	4.857	43	140882	19.627	ug/l	90
13) Acrolein	4.040	56	61378	80.374	ug/l	97
14) Acrylonitrile	5.551	53	326953	100.570	ug/l	97
15) Acetone	4.281	58	86820	92.798	ug/l #	68
16) Carbon Disulfide	4.534	76	251896	18.995	ug/l	100
17) Allyl chloride	4.845	41	144602	17.503	ug/l	79
18) Methylene Chloride	5.092	84	129856	21.252	ug/l #	91
19) trans-1,2-Dichloroethene	5.598	96	104508	19.184	ug/l	97
20) Diisopropyl ether	6.486	45	323741	18.729	ug/l	97
21) 1,1-Dichloroethane	6.386	63	198812	19.051	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	128481	19.412	ug/l	93
23) tert-Butyl Alcohol	5.357	59	100299m	86.461	ug/l	
24) Methyl tert-Butyl Ether	5.616	73	346526m	18.851	ug/l	
25) Chloroform	7.816	83	202400	19.284	ug/l	97
26) Cyclohexane	8.092	56	167891	18.612	ug/l #	96
29) 1,1-Dichloropropene	8.216	75	147026	19.219	ug/l	100
30) 2-Butanone	7.333	43	395117	92.789	ug/l	94
31) 2,2-Dichloropropane	7.322	77	155134	17.802	ug/l	98
32) 1,1,1-Trichloroethane	8.010	97	172449	19.355	ug/l	98
33) Carbon Tetrachloride	8.204	117	147887	19.609	ug/l	97
34) Benzene	8.457	78	482887	20.317	ug/l	98
35) Methacrylonitrile	7.633	41	77655	19.007	ug/l	93
36) 1,2-Dichloroethane	8.527	62	151537	18.276	ug/l #	91
37) Trichloroethene	9.216	130	120981	19.727	ug/l	94
38) Methylcyclohexane	9.457	83	182506	18.927	ug/l	96
39) 1,2-Dichloropropane	9.486	63	118137	19.867	ug/l	94
40) Dibromomethane	9.574	93	79765	19.818	ug/l	84
41) Bromodichloromethane	9.757	83	156252	19.400	ug/l	95
42) Vinyl Acetate	6.434	43	1347993	92.388	ug/l #	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.410	43	162163	19.639	ug/l	96
44) Isopropyl Acetate	8.557	43	239274	18.068	ug/l	92
45) 1,4-Dioxane	9.563	88	51415	384.795	ug/l	93
46) Methyl methacrylate	9.557	41	103963	17.901	ug/l	76
47) n-amyl Acetate	12.386	43	145662m	16.482	ug/l	
48) t-1,3-Dichloropropene	10.716	75	162865	18.604	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	184016	19.222	ug/l #	81
50) 1,1,2-Trichloroethane	10.892	97	124530	20.696	ug/l	96
51) Ethyl methacrylate	10.757	69	182046	19.595	ug/l	77
52) 1,3-Dichloropropane	11.039	76	207454	20.189	ug/l	99
53) Dibromochloromethane	11.233	129	130267	20.914	ug/l	98
54) 1,2-Dibromoethane	11.339	107	126798	20.486	ug/l	95
55) 2-Chloroethyl vinyl ether	10.033	63	264779	105.779	ug/l	97
56) Bromoform	12.451	173	96736	20.143	ug/l #	99
58) 4-Methyl-2-Pentanone	10.327	43	797316	94.257	ug/l #	88
59) 2-Hexanone	11.080	43	771058m	124.848	ug/l	
61) Tetrachloroethene	10.974	164	109350	20.163	ug/l	95
62) Toluene	10.504	91	540896	20.018	ug/l	98
64) Chlorobenzene	11.768	112	324842	19.491	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	119347	19.520	ug/l	99
66) Ethyl Benzene	11.839	91	557431	18.984	ug/l	96
67) m/p-Xylenes	11.951	106	434164	38.008	ug/l	96
68) o-Xylene	12.274	106	216622	19.080	ug/l	95
69) Styrene	12.292	104	332606	18.614	ug/l	97
70) Isopropylbenzene	12.574	105	537478	18.861	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.821	83	183905	19.829	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	160828m	20.185	ug/l	
73) Bromobenzene	12.857	156	130095	18.714	ug/l	95
74) n-propylbenzene	12.915	91	564336	18.145	ug/l	97
75) 2-Chlorotoluene	13.004	91	366018	18.832	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	446209	19.518	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	46256	16.534	ug/l	90
78) 4-Chlorotoluene	13.098	91	324525	17.878	ug/l	100
79) tert-butylbenzene	13.321	119	391655	18.985	ug/l	93
80) 1,2,4-Trimethylbenzene	13.362	105	433843	19.558	ug/l #	80
81) sec-Butylbenzene	13.498	105	509134	18.367	ug/l	98
82) p-Isopropyltoluene	13.610	119	410105	18.209	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	207478	18.240	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	197533	18.193	ug/l	99
85) n-Butylbenzene	13.939	91	279431	16.703	ug/l	96
86) Hexachloroethane	14.204	117	75436	17.936	ug/l	77
87) 1,2-Dichlorobenzene	13.986	146	211202	19.205	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.598	75	29164	17.673	ug/l #	79
89) 1,2,4-Trichlorobenzene	15.256	180	94379	18.566	ug/l	95
90) Hexachlorobutadiene	15.362	225	56958	18.908	ug/l	97
91) Naphthalene	15.504	128	249404	19.617	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	93757	18.805	ug/l	98

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

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