

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032422\
 Data File : VN071520.D
 Acq On : 24 Mar 2022 14:29
 Operator : JC\MD
 Sample : N1645-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2022

Quant Time: Mar 25 08:59:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 25 08:59:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

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

Internal Standards						
1) Bromochloromethane	7.657	128	108381	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	584602	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	512328	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	231256	30.285	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.933%			
60) 4-Bromofluorobenzene	12.727	95	209187	27.537	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.800%			
63) Toluene-d8	10.439	98	727928	31.299	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.333%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	30239	4.483	ug/l	97
3) Chloromethane	2.299	50	42064	5.290	ug/l	97
4) Vinyl Chloride	2.440	62	45341	4.973	ug/l	94
5) Bromomethane	2.846	94	31941	5.945	ug/l	94
6) Chloroethane	3.010	64	30166	5.166	ug/l	98
7) Trichlorofluoromethane	3.369	101	53339	5.017	ug/l	96
8) Diethyl Ether	3.828	74	21952	4.914	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.210	101	31570	4.959	ug/l #	45
10) 1,1-Dichloroethene	4.187	96	31874	5.076	ug/l	93
11) Methyl Iodide	4.422	142	42040	4.569	ug/l	94
12) Methyl Acetate	4.851	43	47917	5.415	ug/l	95
13) Acrolein	4.040	56	29857	31.715	ug/l	100
14) Acrylonitrile	5.551	53	102278	25.520	ug/l #	85
15) Acetone	4.293	58	27664m	23.986	ug/l	
16) Carbon Disulfide	4.534	76	80251	4.909	ug/l	96
17) Allyl chloride	4.846	41	48230	4.736	ug/l	78
18) Methylene Chloride	5.093	84	39411	5.232	ug/l	95
19) trans-1,2-Dichloroethene	5.593	96	33347	4.965	ug/l	94
20) Diisopropyl ether	6.492	45	104827	4.919	ug/l #	94
21) 1,1-Dichloroethane	6.387	63	64683	5.028	ug/l	98
22) cis-1,2-Dichloroethene	7.322	96	41010	5.026	ug/l	95
23) tert-Butyl Alcohol	5.357	59	33234	23.239	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	109496	4.832	ug/l	94
25) Chloroform	7.816	83	65761	5.082	ug/l	99
26) Cyclohexane	8.098	56	53724	4.831	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	45678	4.827	ug/l	97
30) 2-Butanone	7.334	43	131403	24.948	ug/l #	96
31) 2,2-Dichloropropane	7.322	77	53127	4.929	ug/l	99
32) 1,1,1-Trichloroethane	8.010	97	55822	5.065	ug/l	96
33) Carbon Tetrachloride	8.204	117	46651	5.001	ug/l	97
34) Benzene	8.457	78	150686	5.126	ug/l #	93
35) Methacrylonitrile	7.628	41	26393	5.223	ug/l	95
36) 1,2-Dichloroethane	8.528	62	52731	5.141	ug/l	96
37) Trichloroethene	9.210	130	38424	5.065	ug/l	97
38) Methylcyclohexane	9.457	83	53790	4.510	ug/l	93
39) 1,2-Dichloropropane	9.486	63	36655	4.983	ug/l	96
40) Dibromomethane	9.575	93	25584	5.139	ug/l	86
41) Bromodichloromethane	9.757	83	48773	4.896	ug/l	93
42) Vinyl Acetate	6.428	43	434460	24.073	ug/l	97

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43) Ethyl Acetate	7.410	43	51409	5.033	ug/l	96
44) Isopropyl Acetate	8.557	43	83770	5.114	ug/l	96
45) 1,4-Dioxane	9.569	88	16460m	99.592	ug/l	
46) Methyl methacrylate	9.551	41	34377	4.786	ug/l	84
47) n-amyl Acetate	12.386	43	43339	3.965	ug/l	91
48) t-1,3-Dichloropropene	10.710	75	48806	4.507	ug/l	98
49) cis-1,3-Dichloropropene	10.186	75	54802	4.628	ug/l #	84
50) 1,1,2-Trichloroethane	10.892	97	37743	5.071	ug/l	98
51) Ethyl methacrylate	10.757	69	51482	4.480	ug/l	82
52) 1,3-Dichloropropane	11.039	76	64281	5.057	ug/l	99
53) Dibromochloromethane	11.233	129	34609	4.492	ug/l	97
54) 1,2-Dibromoethane	11.339	107	37276	4.869	ug/l	94
55) 2-Chloroethyl vinyl ether	10.039	63	57394	18.537	ug/l	97
56) Bromoform	12.451	173	25607	4.311	ug/l #	99
58) 4-Methyl-2-Pentanone	10.328	43	251356	25.845	ug/l	94
59) 2-Hexanone	11.080	43	171909	24.210	ug/l	92
61) Tetrachloroethene	10.969	164	33072	5.304	ug/l	87
62) Toluene	10.498	91	162517	5.231	ug/l	97
64) Chlorobenzene	11.769	112	99917	5.214	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	35195	5.007	ug/l	99
66) Ethyl Benzene	11.839	91	161877	4.795	ug/l	97
67) m/p-Xylenes	11.951	106	126050	9.598	ug/l	93
68) o-Xylene	12.280	106	61213	4.689	ug/l	99
69) Styrene	12.292	104	88060	4.286	ug/l	100
70) Isopropylbenzene	12.574	105	152923	4.668	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.822	83	56880	5.334	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	41286m	4.507	ug/l	
73) Bromobenzene	12.857	156	38558	4.824	ug/l	96
74) n-propylbenzene	12.916	91	155266	4.342	ug/l	99
75) 2-Chlorotoluene	13.004	91	104737	4.687	ug/l	98
76) 1,3,5-Trimethylbenzene	13.057	105	119919	4.562	ug/l	95
77) t-1,4-Dichloro-2-butene	12.622	75	13105	4.074	ug/l	89
78) 4-Chlorotoluene	13.104	91	93150	4.463	ug/l	97
79) tert-butylbenzene	13.321	119	110904	4.676	ug/l	94
80) 1,2,4-Trimethylbenzene	13.363	105	114551m	4.492	ug/l	
81) sec-Butylbenzene	13.498	105	139577	4.380	ug/l	97
82) p-Isopropyltoluene	13.610	119	106784	4.124	ug/l	96
83) 1,3-Dichlorobenzene	13.610	146	57705	4.412	ug/l	96
84) 1,4-Dichlorobenzene	13.692	146	53341	4.273	ug/l	99
85) n-Butylbenzene	13.939	91	74041	3.850	ug/l	97
86) Hexachloroethane	14.204	117	21266	4.398	ug/l	82
87) 1,2-Dichlorobenzene	13.986	146	57763	4.568	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	8110	4.275	ug/l #	83
89) 1,2,4-Trichlorobenzene	15.257	180	19192	3.284	ug/l	97
90) Hexachlorobutadiene	15.368	225	17065	4.927	ug/l	98
91) Naphthalene	15.504	128	45196	2.781	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	19727	3.441	ug/l	98

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

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