

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072660.D
 Acq On : 06 Jun 2022 12:29
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 06 13:13:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 13:10:13 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	44709	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	259607	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	246319	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	147511	32.746	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.167%			
60) 4-Bromofluorobenzene	12.727	95	153565	34.617	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 115.400%#			
63) Toluene-d8	10.439	98	400201	28.657	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.533%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.063	85	477699	156.624	ug/l	97
3) Chloromethane	2.293	50	519329	129.168	ug/l	95
4) Vinyl Chloride	2.434	62	466611	137.371	ug/l	99
5) Bromomethane	2.810	94	206510	122.342	ug/l	98
6) Chloroethane	2.981	64	294331	136.279	ug/l	97
7) Trichlorofluoromethane	3.351	101	835009	166.896	ug/l	98
8) Diethyl Ether	3.816	74	330703	161.752	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.193	101	440122	160.976	ug/l	76
10) 1,1-Dichloroethene	4.169	96	414185	156.694	ug/l	84
11) Methyl Iodide	4.410	142	480066	184.075	ug/l	98
12) Methyl Acetate	4.840	43	850072	159.627	ug/l	96
13) Acrolein	4.034	56	378159	648.601	ug/l	99
14) Acrylonitrile	5.545	53	1802290	794.019	ug/l	100
15) Acetone	4.275	58	473953	805.673	ug/l	78
16) Carbon Disulfide	4.522	76	1022277	143.212	ug/l	98
17) Allyl chloride	4.828	41	929054	165.274	ug/l	96
18) Methylene Chloride	5.087	84	527092	152.769	ug/l	89
19) trans-1,2-Dichloroethene	5.587	96	443217	153.271	ug/l #	82
20) Diisopropyl ether	6.487	45	1850038	145.535	ug/l	96
21) 1,1-Dichloroethane	6.375	63	997829	152.820	ug/l	100
22) cis-1,2-Dichloroethene	7.316	96	570572	153.380	ug/l	90
23) tert-Butyl Alcohol	5.363	59	828653	980.258	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	1895197	177.214	ug/l	96
25) Chloroform	7.810	83	1032564	153.958	ug/l	99
26) Cyclohexane	8.092	56	825721	135.713	ug/l #	93
29) 1,1-Dichloropropene	8.216	75	733665	153.488	ug/l	95
30) 2-Butanone	7.328	43	2637471	811.106	ug/l	95
31) 2,2-Dichloropropane	7.316	77	987617	191.851	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	953077	173.297	ug/l	96
33) Carbon Tetrachloride	8.204	117	819316	168.559	ug/l	97
34) Benzene	8.457	78	2157726	145.091	ug/l	99
35) Methacrylonitrile	7.628	41	522676	156.294	ug/l	93
36) 1,2-Dichloroethane	8.522	62	903282	175.754	ug/l	99
37) Trichloroethene	9.210	130	528036	148.703	ug/l	91
38) Methylcyclohexane	9.457	83	865054	146.564	ug/l	92
39) 1,2-Dichloropropane	9.486	63	592557	148.443	ug/l	98
40) Dibromomethane	9.569	93	410483	159.582	ug/l	94
41) Bromodichloromethane	9.757	83	891951	169.690	ug/l	95
42) Vinyl Acetate	6.422	43	8662688	812.005	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	1037830	163.740	ug/l	97
44) Isopropyl Acetate	8.557	43	1695959	170.267	ug/l	99
45) 1,4-Dioxane	9.563	88	276331	3312.472	ug/l	89
46) Methyl methacrylate	9.557	41	785569	168.208	ug/l	88
47) n-amyl Acetate	12.380	43	1342415	184.861	ug/l	97
48) t-1,3-Dichloropropene	10.716	75	1060018	184.752	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	1050589	170.206	ug/l	97
50) 1,1,2-Trichloroethane	10.892	97	583374	155.260	ug/l	97
51) Ethyl methacrylate	10.757	69	1092690	169.725	ug/l	94
52) 1,3-Dichloropropane	11.039	76	1050660	157.857	ug/l	100
53) Dibromochloromethane	11.233	129	670797	171.486	ug/l	100
54) 1,2-Dibromoethane	11.345	107	627481	162.396	ug/l	97
55) 2-Chloroethyl vinyl ether	10.039	63	2385597	861.412	ug/l	98
56) Bromoform	12.457	173	468209	168.596	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	5421190	764.235	ug/l	98
59) 2-Hexanone	11.080	43	4010758	785.106	ug/l	99
61) Tetrachloroethene	10.975	164	422883	134.196	ug/l	96
62) Toluene	10.498	91	2419805	144.057	ug/l	97
64) Chlorobenzene	11.769	112	1512512	153.094	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.839	131	600917	153.038	ug/l	99
66) Ethyl Benzene	11.839	91	2849034	150.867	ug/l	100
67) m/p-Xylenes	11.951	106	2079962	306.107	ug/l	93
68) o-Xylene	12.274	106	1056886	155.057	ug/l	95
69) Styrene	12.292	104	1733674	161.106	ug/l	94
70) Isopropylbenzene	12.574	105	2793146	160.129	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.821	83	876736	146.653	ug/l	98
72) 1,2,3-Trichloropropane	12.874	75	765182m	135.175	ug/l	
73) Bromobenzene	12.857	156	568240	151.095	ug/l	76
74) n-propylbenzene	12.916	91	3268530	165.249	ug/l	99
75) 2-Chlorotoluene	13.004	91	1967987	162.996	ug/l	93
76) 1,3,5-Trimethylbenzene	13.057	105	2305145	165.908	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	360748	178.546	ug/l	99
78) 4-Chlorotoluene	13.098	91	1929243	175.067	ug/l	92
79) tert-butylbenzene	13.321	119	2019692	166.158	ug/l	97
80) 1,2,4-Trimethylbenzene	13.498	105	2850332	203.799	ug/l	100
81) sec-Butylbenzene	13.498	105	2850332	163.233	ug/l	99
82) p-Isopropyltoluene	13.610	119	2308805	170.467	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	1000640	152.616	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	994679	155.933	ug/l	97
85) n-Butylbenzene	13.939	91	2041763	180.872	ug/l	96
86) Hexachloroethane	14.204	117	495958	177.931	ug/l	90
87) 1,2-Dichlorobenzene	13.986	146	966294	149.980	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.598	75	238919	192.105	ug/l	87
89) 1,2,4-Trichlorobenzene	15.257	180	528686	164.748	ug/l	97
90) Hexachlorobutadiene	15.368	225	222151	141.185	ug/l	99
91) Naphthalene	15.498	128	2110254	181.257	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	525930	161.560	ug/l	98

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

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