

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072722\
 Data File : VN073603.D
 Acq On : 27 Jul 2022 13:07
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 27 13:29:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 13:25:29 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2022
 Supervised By : Mahesh Dadoda 07/28/2022

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

Internal Standards						
1) Bromochloromethane	7.587	128	67734	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	372461	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.687	117	362970	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	168244	26.245	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	87.467%#		
60) 4-Bromofluorobenzene	12.669	95	198615	28.916	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.400%		
63) Toluene-d8	10.381	98	583563	29.311	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.700%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	649414	126.634	ug/l	99
3) Chloromethane	2.264	50	797829	149.901	ug/l	97
4) Vinyl Chloride	2.405	62	1002889	196.550	ug/l	99
5) Bromomethane	2.775	94	274047	137.126	ug/l	100
6) Chloroethane	2.934	64	657102	202.999	ug/l	98
7) Trichlorofluoromethane	3.299	101	1027620	127.558	ug/l	99
8) Diethyl Ether	3.758	74	425522	131.049	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.128	101	615583m	136.349	ug/l	
10) 1,1-Dichloroethene	4.105	96	616798	135.616	ug/l	98
11) Methyl Iodide	4.346	142	823604	181.745	ug/l	90
12) Methyl Acetate	4.769	43	1018803	110.620	ug/l	98
13) Acrolein	3.975	56	959795	932.398	ug/l	96
14) Acrylonitrile	5.475	53	2395273	659.947	ug/l	99
15) Acetone	4.216	58	633801	639.033	ug/l	90
16) Carbon Disulfide	4.452	76	1706315	140.269	ug/l	99
17) Allyl chloride	4.758	41	1021019	120.191	ug/l	88
18) Methylene Chloride	5.010	84	736865	133.974	ug/l	98
19) trans-1,2-Dichloroethene	5.510	96	680927	140.218	ug/l	98
20) Diisopropyl ether	6.410	45	2186685	121.605	ug/l	95
21) 1,1-Dichloroethane	6.299	63	1264951	131.453	ug/l	98
22) cis-1,2-Dichloroethene	7.246	96	831864	144.192	ug/l	94
23) tert-Butyl Alcohol	5.293	59	894220	618.318	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	2221992	132.557	ug/l	92
25) Chloroform	7.746	83	1304731	134.969	ug/l	99
26) Cyclohexane	8.022	56	1118696	133.648	ug/l #	97
29) 1,1-Dichloropropene	8.151	75	985415	144.745	ug/l	98
30) 2-Butanone	7.257	43	3300395	645.172	ug/l	99
31) 2,2-Dichloropropane	7.246	77	997926	246.376	ug/l	98
32) 1,1,1-Trichloroethane	7.940	97	1129571	136.334	ug/l	99
33) Carbon Tetrachloride	8.134	117	984227	140.878	ug/l	97
34) Benzene	8.393	78	3075542	144.357	ug/l	96
35) Methacrylonitrile	7.563	41	458211	100.489	ug/l	96
36) 1,2-Dichloroethane	8.463	62	988829	127.536	ug/l #	95
37) Trichloroethene	9.151	130	800110	151.278	ug/l	98
38) Methylcyclohexane	9.393	83	1260171	156.369	ug/l	98
39) 1,2-Dichloropropane	9.428	63	764600	138.893	ug/l	97
40) Dibromomethane	9.510	93	531543	143.019	ug/l	87
41) Bromodichloromethane	9.698	83	1047548	140.130	ug/l	96
42) Vinyl Acetate	6.346	43	9971164	637.320	ug/l	96

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43) Ethyl Acetate	7.340	43	1234127	131.156	ug/l	96
44) Isopropyl Acetate	8.493	43	1842187	125.423	ug/l	97
45) 1,4-Dioxane	9.504	88	427987	3097.126	ug/l	97
46) Methyl methacrylate	9.498	41	835381	125.269	ug/l	85
47) n-amyl Acetate	12.328	43	1592034	135.694	ug/l	99
48) t-1,3-Dichloropropene	10.657	75	1193581	169.538	ug/l	100
49) cis-1,3-Dichloropropene	10.128	75	1276301	165.662	ug/l #	88
50) 1,1,2-Trichloroethane	10.839	97	798561	148.047	ug/l	99
51) Ethyl methacrylate	10.704	69	1332932	149.924	ug/l	86
52) 1,3-Dichloropropane	10.987	76	1347650	145.272	ug/l	99
53) Dibromochloromethane	11.181	129	871047	154.954	ug/l	100
54) 1,2-Dibromoethane	11.287	107	853103	151.228	ug/l	96
55) 2-Chloroethyl vinyl ether	9.981	63	3126001	818.009	ug/l	99
56) Bromoform	12.398	173	728162	175.900	ug/l #	99
58) 4-Methyl-2-Pentanone	10.269	43	6556900	634.287	ug/l	94
59) 2-Hexanone	11.028	43	5071497	641.640	ug/l	92
61) Tetrachloroethene	10.916	164	771504	157.976	ug/l	91
62) Toluene	10.445	91	3466441	142.421	ug/l	98
64) Chlorobenzene	11.710	112	2160185	148.292	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.781	131	814250	147.592	ug/l	99
66) Ethyl Benzene	11.787	91	3959321	148.707	ug/l	97
67) m/p-Xylenes	11.892	106	3054525	304.620	ug/l	97
68) o-Xylene	12.222	106	1519932	151.376	ug/l	97
69) Styrene	12.234	104	2573161	158.569	ug/l	96
70) Isopropylbenzene	12.522	105	3916399	151.888	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.769	83	1255901	139.746	ug/l	99
72) 1,2,3-Trichloropropane	12.822	75	973217m	138.000	ug/l	
73) Bromobenzene	12.798	156	977552	160.874	ug/l	95
74) n-propylbenzene	12.863	91	4542932	154.089	ug/l	98
75) 2-Chlorotoluene	12.945	91	2653016	145.043	ug/l	99
76) 1,3,5-Trimethylbenzene	12.998	105	3244782	150.422	ug/l	94
77) t-1,4-Dichloro-2-butene	12.569	75	451921	198.670	ug/l	87
78) 4-Chlorotoluene	13.045	91	2617538	149.013	ug/l	99
79) tert-butylbenzene	13.263	119	2884722	152.972	ug/l	94
80) 1,2,4-Trimethylbenzene	13.310	105	3295722m	155.812	ug/l	
81) sec-Butylbenzene	13.439	105	4158367	161.325	ug/l	97
82) p-Isopropyltoluene	13.557	119	3549006	169.730	ug/l	96
83) 1,3-Dichlorobenzene	13.557	146	1819478	169.037	ug/l	97
84) 1,4-Dichlorobenzene	13.633	146	1775077	165.735	ug/l	97
85) n-Butylbenzene	13.880	91	3008312	176.394	ug/l	95
86) Hexachloroethane	14.151	117	628453	154.222	ug/l	78
87) 1,2-Dichlorobenzene	13.928	146	1801387	159.796	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.539	75	307926	138.743	ug/l #	73
89) 1,2,4-Trichlorobenzene	15.198	180	1141028	194.045	ug/l	97
90) Hexachlorobutadiene	15.304	225	541162	214.774	ug/l	98
91) Naphthalene	15.433	128	3754947	168.792	ug/l	99
92) 1,2,3-Trichlorobenzene	15.627	180	1135165	188.166	ug/l	98

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

