

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074872.D
 Acq On : 12 Oct 2022 12:14
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 13 07:18:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:11:44 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Bromochloromethane	7.830	128	102975	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	556800	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	535805	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	272310	28.246	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.167%
60) 4-Bromofluorobenzene	12.853	95	312048	32.841	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	109.467%
63) Toluene-d8	10.570	98	914568	29.575	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	776100	135.722	ug/l	96
3) Chloromethane	2.377	50	1124325	121.574	ug/l	99
4) Vinyl Chloride	2.530	62	1692693	124.295	ug/l	98
5) Bromomethane	2.924	94	1389689	128.705	ug/l	93
6) Chloroethane	3.100	64	1227791	113.142	ug/l #	88
7) Trichlorofluoromethane	3.494	101	1327564	130.765	ug/l	94
8) Diethyl Ether	3.983	74	661236	139.621	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	853482	133.640	ug/l	97
10) 1,1-Dichloroethene	4.347	96	849272	134.732	ug/l #	87
11) Methyl Iodide	4.606	142	1135351	144.886	ug/l	93
12) Methyl Acetate	5.047	43	1912962	126.289	ug/l	96
13) Acrolein	4.200	56	1460706	682.509	ug/l	100
14) Acrylonitrile	5.741	53	3981062	704.689	ug/l	99
15) Acetone	4.453	58	1009747	651.226	ug/l	99
16) Carbon Disulfide	4.724	76	2332782	144.579	ug/l	97
17) Allyl chloride	5.041	41	1614603	126.192	ug/l	94
18) Methylene Chloride	5.294	84	1096347	134.666	ug/l	94
19) trans-1,2-Dichloroethene	5.800	96	1001689	145.203	ug/l	98
20) Diisopropyl ether	6.688	45	4214008	144.275	ug/l	98
21) 1,1-Dichloroethane	6.583	63	2086179	140.434	ug/l	98
22) cis-1,2-Dichloroethene	7.500	96	1227668	142.113	ug/l	97
23) tert-Butyl Alcohol	5.559	59	1536032	648.611	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	3776282	143.880	ug/l	98
25) Chloroform	7.977	83	2093002	141.839	ug/l	99
26) Cyclohexane	8.265	56	1855882	142.181	ug/l #	100
29) 1,1-Dichloropropene	8.377	75	1515658	150.864	ug/l	95
30) 2-Butanone	7.500	43	5588686	697.200	ug/l	100
31) 2,2-Dichloropropane	7.500	77	1825163	148.581	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	1821737	151.206	ug/l	99
33) Carbon Tetrachloride	8.371	117	1491043	150.460	ug/l	97
34) Benzene	8.612	78	4760629	143.355	ug/l #	91
35) Methacrylonitrile	7.788	41	1177754	142.961	ug/l	95
36) 1,2-Dichloroethane	8.677	62	1662481	150.330	ug/l	99
37) Trichloroethene	9.353	130	1002734	145.189	ug/l	90
38) Methylcyclohexane	9.606	83	1861417	152.514	ug/l	99
39) 1,2-Dichloropropane	9.623	63	1255574	145.847	ug/l	99
40) Dibromomethane	9.712	93	829894	145.474	ug/l	97
41) Bromodichloromethane	9.894	83	1677923	151.028	ug/l #	98
42) Vinyl Acetate	6.618	43	18935318m	808.781	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	2232057	141.938	ug/l	95
44) Isopropyl Acetate	8.700	43	3549730	147.289	ug/l	98
45) 1,4-Dioxane	9.700	88	612876	2773.246	ug/l	98
46) Methyl methacrylate	9.688	41	1607339	153.992	ug/l	94
47) n-amyl Acetate	12.500	43	3463292	164.237	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	2018882	157.860	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	2076304	153.609	ug/l	92
50) 1,1,2-Trichloroethane	11.018	97	1217735	145.057	ug/l	95
51) Ethyl methacrylate	10.876	69	2232695	156.402	ug/l	93
52) 1,3-Dichloropropane	11.165	76	2117347	146.125	ug/l	99
53) Dibromochloromethane	11.365	129	1305436	158.720	ug/l	96
54) 1,2-Dibromoethane	11.470	107	1250158	154.998	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	4350090	779.046	ug/l	98
56) Bromoform	12.582	173	1018248	171.802	ug/l	99
58) 4-Methyl-2-Pentanone	10.453	43	11934834	716.221	ug/l	99
59) 2-Hexanone	11.200	43	9161121	714.353	ug/l	99
61) Tetrachloroethene	11.106	164	808426	141.527	ug/l	95
62) Toluene	10.635	91	5450162	147.232	ug/l	99
64) Chlorobenzene	11.894	112	3142287	149.342	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	1152364	145.407	ug/l	100
66) Ethyl Benzene	11.965	91	6108945	151.763	ug/l	100
67) m/p-Xylenes	12.070	106	4678799	309.402	ug/l	100
68) o-Xylene	12.400	106	2378180	154.715	ug/l	99
69) Styrene	12.412	104	4145374	164.769	ug/l	100
70) Isopropylbenzene	12.700	105	6351387	160.210	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	2124155	143.236	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	1882775m	156.110	ug/l	
73) Bromobenzene	12.982	156	1272410	153.163	ug/l	96
74) n-propylbenzene	13.041	91	7454788	161.282	ug/l	98
75) 2-Chlorotoluene	13.129	91	4237140	156.698	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	5182534	160.869	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	823840	159.158	ug/l	96
78) 4-Chlorotoluene	13.223	91	4259063	160.003	ug/l	98
79) tert-butylbenzene	13.441	119	4510820	157.405	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	5293751	163.311	ug/l	94
81) sec-Butylbenzene	13.617	105	6728747	163.374	ug/l	98
82) p-Isopropyltoluene	13.729	119	5523210	168.778	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	2620509	161.657	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	2544381	163.413	ug/l	99
85) n-Butylbenzene	14.059	91	5157190	178.536	ug/l	99
86) Hexachloroethane	14.335	117	1019048	159.004	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	2655394	164.982	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	452522	151.192	ug/l	98
89) 1,2,4-Trichlorobenzene	15.394	180	1304615	177.480	ug/l	99
90) Hexachlorobutadiene	15.505	225	558162	155.736	ug/l	97
91) Naphthalene	15.641	128	5134362	176.031	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	1279016	166.330	ug/l	98

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

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