

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092722\
 Data File : VN074626.D
 Acq On : 27 Sep 2022 13:41
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 28 07:21:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N092722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 28 07:17:56 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/28/2022
 Supervised By : Mahesh Dadoda 09/28/2022

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

Internal Standards						
1) Bromochloromethane	7.486	128	156657	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.828	114	885800	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.621	117	860580	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.286	65	436496	29.551	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.500%	
60) 4-Bromofluorobenzene	12.610	95	576219	34.470	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	114.900%#	
63) Toluene-d8	10.310	98	1424840	29.353	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	97.833%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.999	85	1235453	134.195	ug/l	95
3) Chloromethane	2.210	50	1813705	134.151	ug/l	98
4) Vinyl Chloride	2.352	62	2408791	139.166	ug/l	98
5) Bromomethane	2.710	94	1239049	111.051	ug/l	91
6) Chloroethane	2.863	64	1659770	135.664	ug/l	92
7) Trichlorofluoromethane	3.222	101	2183731	135.836	ug/l	96
8) Diethyl Ether	3.675	74	1142885	134.789	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.040	101	1381308	135.880	ug/l	97
10) 1,1-Dichloroethene	4.010	96	1433369	135.274	ug/l	93
11) Methyl Iodide	4.246	142	2049330	150.562	ug/l	95
12) Methyl Acetate	4.663	43	3206664	140.939	ug/l	97
13) Acrolein	3.887	56	1398697	755.045	ug/l	99
14) Acrylonitrile	5.363	53	6841988	742.095	ug/l	99
15) Acetone	4.122	58	1731581	729.483	ug/l	94
16) Carbon Disulfide	4.351	76	4211653	141.018	ug/l	99
17) Allyl chloride	4.645	41	3150651	145.034	ug/l	96
18) Methylene Chloride	4.898	84	1870671	138.083	ug/l	94
19) trans-1,2-Dichloroethene	5.398	96	1708507	142.050	ug/l	96
20) Diisopropyl ether	6.304	45	6877424	145.087	ug/l	99
21) 1,1-Dichloroethane	6.198	63	3423831	143.023	ug/l	99
22) cis-1,2-Dichloroethene	7.151	96	1973763	135.209	ug/l	99
23) tert-Butyl Alcohol	5.181	59	2839475	747.351	ug/l #	100
24) Methyl tert-Butyl Ether	5.416	73	6511126	147.862	ug/l	97
25) Chloroform	7.657	83	3392245	142.942	ug/l	96
26) Cyclohexane	7.934	56	2923419	135.805	ug/l #	96
29) 1,1-Dichloropropene	8.063	75	2422640	146.430	ug/l	96
30) 2-Butanone	7.163	43	9343190	740.186	ug/l	100
31) 2,2-Dichloropropane	7.151	77	2824744	142.476	ug/l	98
32) 1,1,1-Trichloroethane	7.851	97	2874937	147.094	ug/l	98
33) Carbon Tetrachloride	8.045	117	2381527	145.687	ug/l	98
34) Benzene	8.304	78	8058577	147.133	ug/l #	91
35) Methacrylonitrile	7.486	41	1846905m	153.795	ug/l	
36) 1,2-Dichloroethane	8.381	62	2715351	151.823	ug/l	99
37) Trichloroethene	9.075	130	1705811	146.671	ug/l	92
38) Methylcyclohexane	9.322	83	3036233	141.791	ug/l	99
39) 1,2-Dichloropropane	9.351	63	2072082	142.887	ug/l	99
40) Dibromomethane	9.439	93	1398913	149.507	ug/l	99
41) Bromodichloromethane	9.628	83	2758223	148.292	ug/l #	98
42) Vinyl Acetate	6.234	43	30433643m	741.958	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.239	43	3571278	146.078	ug/l	99
44) Isopropyl Acetate	8.416	43	5890911	148.384	ug/l	99
45) 1,4-Dioxane	9.433	88	1062397	3135.883	ug/l	98
46) Methyl methacrylate	9.428	41	2520489	152.432	ug/l	97
47) n-amyl Acetate	12.269	43	6121388	168.465	ug/l	96
48) t-1,3-Dichloropropene	10.592	75	3522025	155.979	ug/l	98
49) cis-1,3-Dichloropropene	10.057	75	3493477	148.679	ug/l	92
50) 1,1,2-Trichloroethane	10.775	97	2034263	149.540	ug/l	97
51) Ethyl methacrylate	10.639	69	4007040	157.091	ug/l	98
52) 1,3-Dichloropropane	10.922	76	3544312	147.000	ug/l	99
53) Dibromochloromethane	11.116	129	2249423	156.458	ug/l	95
54) 1,2-Dibromoethane	11.222	107	2123191	150.869	ug/l	99
55) 2-Chloroethyl vinyl ether	9.916	63	7796987	787.658	ug/l	99
56) Bromoform	12.333	173	2172011	193.279	ug/l	100
58) 4-Methyl-2-Pentanone	10.198	43	18147259	679.500	ug/l #	91
59) 2-Hexanone	10.963	43	15132975	731.591	ug/l	95
61) Tetrachloroethene	10.851	164	1319773	137.477	ug/l	95
62) Toluene	10.375	91	9572662	151.909	ug/l	99
64) Chlorobenzene	11.645	112	5377729	148.932	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.722	131	2034834	149.983	ug/l	98
66) Ethyl Benzene	11.722	91	9868449	147.474	ug/l	97
67) m/p-Xylenes	11.833	106	8587166	319.610	ug/l	94
68) o-Xylene	12.157	106	4412302	161.297	ug/l	96
69) Styrene	12.169	104	7907529	171.823	ug/l	98
70) Isopropylbenzene	12.457	105	11700917	167.657	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.704	83	3693978	149.106	ug/l	97
72) 1,2,3-Trichloropropane	12.757	75	2951153m	98.551	ug/l	
73) Bromobenzene	12.733	156	2252326	160.617	ug/l	99
74) n-propylbenzene	12.798	91	12932098	164.446	ug/l	98
75) 2-Chlorotoluene	12.880	91	7929301	166.222	ug/l	100
76) 1,3,5-Trimethylbenzene	12.939	105	9999068	169.922	ug/l	99
77) t-1,4-Dichloro-2-butene	12.504	75	1644167	169.257	ug/l	98
78) 4-Chlorotoluene	12.980	91	8327962	174.201	ug/l	100
79) tert-butylbenzene	13.198	119	8920770	173.271	ug/l	99
80) 1,2,4-Trimethylbenzene	13.245	105	9790613	168.453	ug/l	99
81) sec-Butylbenzene	13.380	105	12463468	171.092	ug/l	98
82) p-Isopropyltoluene	13.492	119	10520396	175.465	ug/l	99
83) 1,3-Dichlorobenzene	13.492	146	5223964	181.272	ug/l	99
84) 1,4-Dichlorobenzene	13.568	146	5304390	185.063	ug/l	98
85) n-Butylbenzene	13.821	91	9256222	180.949	ug/l	98
86) Hexachloroethane	14.086	117	1739065	150.582	ug/l	94
87) 1,2-Dichlorobenzene	13.863	146	5432701	184.296	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.480	75	839334	161.771	ug/l	96
89) 1,2,4-Trichlorobenzene	15.127	180	2091772	170.131	ug/l	99
90) Hexachlorobutadiene	15.233	225	848868	156.700	ug/l	97
91) Naphthalene	15.362	128	9115294	176.714	ug/l	99
92) 1,2,3-Trichlorobenzene	15.557	180	2104686	170.757	ug/l	98

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

