

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084337.D
 Acq On : 08 Oct 2024 09:43
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2024
 Supervised By : Mahesh Dadoda 10/09/2024

Quant Time: Oct 09 02:05:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:04:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	33784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	181536	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	171821	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	80830	29.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.067%		
60) 4-Bromofluorobenzene	12.847	95	88349	31.155	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.867%		
63) Toluene-d8	10.565	98	240116	30.166	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.567%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	301403	146.123	ug/l	96
3) Chloromethane	2.359	50	349225	148.780	ug/l	99
4) Vinyl Chloride	2.512	62	340879	148.089	ug/l	97
5) Bromomethane	2.924	94	208863	136.955	ug/l	99
6) Chloroethane	3.100	64	213547	141.510	ug/l	95
7) Trichlorofluoromethane	3.489	101	546712	145.812	ug/l	99
8) Diethyl Ether	3.959	74	206608	149.881	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	314320	149.095	ug/l	98
10) 1,1-Dichloroethene	4.330	96	309616	147.186	ug/l	92
11) Methyl Iodide	4.583	142	422778	152.937	ug/l	99
12) Methyl Acetate	5.018	43	402489	152.836	ug/l	99
13) Acrolein	4.177	56	371221	758.829	ug/l	100
14) Acrylonitrile	5.718	53	902986	763.216	ug/l	99
15) Acetone	4.424	58	277575	821.289	ug/l	95
16) Carbon Disulfide	4.706	76	909776	145.236	ug/l	100
17) Allyl chloride	5.018	41	511759	150.078	ug/l	95
18) Methylene Chloride	5.271	84	349106	147.322	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	329107	147.827	ug/l	97
20) Diisopropyl ether	6.671	45	1114091	151.956	ug/l	96
21) 1,1-Dichloroethane	6.571	63	620566	147.512	ug/l	97
22) cis-1,2-Dichloroethene	7.482	96	392124	151.363	ug/l	98
23) tert-Butyl Alcohol	5.524	59	333149	734.096	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	1068810	152.038	ug/l #	85
25) Chloroform	7.965	83	634973	149.030	ug/l	99
26) Cyclohexane	8.253	56	539286	153.272	ug/l #	97
29) 1,1-Dichloropropene	8.371	75	461334	154.807	ug/l	100
30) 2-Butanone	7.482	43	1249418	787.459	ug/l	99
31) 2,2-Dichloropropane	7.488	77	549477	156.907	ug/l #	80
32) 1,1,1-Trichloroethane	8.165	97	571549	150.045	ug/l	99
33) Carbon Tetrachloride	8.359	117	504637	152.921	ug/l	97
34) Benzene	8.606	78	1425580	152.821	ug/l	96
35) Methacrylonitrile	7.777	41	279509	165.128	ug/l	99
36) 1,2-Dichloroethane	8.671	62	471651	151.686	ug/l	100
37) Trichloroethene	9.353	130	324930	151.266	ug/l	95
38) Methylcyclohexane	9.600	83	538684	164.564	ug/l	99
39) 1,2-Dichloropropane	9.618	63	348207	153.071	ug/l	97
40) Dibromomethane	9.706	93	243118	152.917	ug/l	98
41) Bromodichloromethane	9.888	83	515968	152.872	ug/l	94
42) Vinyl Acetate	6.600	43	4357419	789.646	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	484255	154.753	ug/l	100
44) Isopropyl Acetate	8.688	43	808933	157.943	ug/l	99
45) 1,4-Dioxane	9.694	88	147762	3200.393	ug/l	98
46) Methyl methacrylate	9.676	41	391545	158.224	ug/l	100
47) n-amyl Acetate	12.494	43	752246	165.124	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	547316	156.926	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	578523	158.273	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	323065	151.179	ug/l	96
51) Ethyl methacrylate	10.870	69	581930	164.863	ug/l	95
52) 1,3-Dichloropropane	11.165	76	568999	152.279	ug/l	99
53) Dibromochloromethane	11.359	129	390970	154.875	ug/l	100
54) 1,2-Dibromoethane	11.470	107	336624	153.033	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	1333727	833.093	ug/l	99
56) Bromoform	12.576	173	268044	160.094	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	2491181	778.311	ug/l	99
59) 2-Hexanone	11.194	43	1891152	795.133	ug/l	99
61) Tetrachloroethene	11.106	164	290573	149.507	ug/l	97
62) Toluene	10.629	91	1525116	151.621	ug/l	99
64) Chlorobenzene	11.894	112	946501	151.211	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	331211	152.311	ug/l	99
66) Ethyl Benzene	11.964	91	1749567	160.094	ug/l	99
67) m/p-Xylenes	12.070	106	1319448	318.270	ug/l	100
68) o-Xylene	12.394	106	633813	158.611	ug/l	99
69) Styrene	12.412	104	1107376	161.432	ug/l	99
70) Isopropylbenzene	12.694	105	1625283	159.320	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	483003	153.053	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	422311m	156.469	ug/l	
73) Bromobenzene	12.982	156	383306	155.148	ug/l	100
74) n-propylbenzene	13.035	91	1966655	161.778	ug/l	99
75) 2-Chlorotoluene	13.123	91	1199693	158.816	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	1386742	161.447	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	193413	167.468	ug/l	98
78) 4-Chlorotoluene	13.223	91	1227049	159.769	ug/l	100
79) tert-butylbenzene	13.435	119	1182498	161.368	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	1410559	161.849	ug/l	100
81) sec-Butylbenzene	13.617	105	1643555	162.908	ug/l	99
82) p-Isopropyltoluene	13.729	119	1409541	165.992	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	731253	159.183	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	723724	158.652	ug/l	99
85) n-Butylbenzene	14.053	91	1274832	173.335	ug/l	98
86) Hexachloroethane	14.335	117	259393	158.553	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	696639	156.847	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	102940	159.510	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	374861	162.329	ug/l	99
90) Hexachlorobutadiene	15.500	225	157242	147.184	ug/l	97
91) Naphthalene	15.641	128	1334733	170.565	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	374861	162.329	ug/l	99

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

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