

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080982.D
 Acq On : 09 Feb 2024 11:11
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2024
 Supervised By : Mahesh Dadoda 02/12/2024

Quant Time: Feb 10 01:39:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:30:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	86356	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	484059	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	435485	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	189514	29.206	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.367%		
60) 4-Bromofluorobenzene	12.853	95	197757	29.704	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.000%		
63) Toluene-d8	10.571	98	599646	30.683	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.267%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	57931	9.866	ug/l	96
3) Chloromethane	2.359	50	57790	9.794	ug/l	98
4) Vinyl Chloride	2.512	62	64748	9.203	ug/l	91
5) Bromomethane	2.965	94	45682m	9.667	ug/l	
6) Chloroethane	3.118	64	41772	9.108	ug/l	95
7) Trichlorofluoromethane	3.495	101	87057	9.397	ug/l	91
8) Diethyl Ether	3.959	74	30145	9.258	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	47942	9.540	ug/l	72
10) 1,1-Dichloroethene	4.342	96	45312	9.195	ug/l	92
11) Methyl Iodide	4.589	142	46196	8.753	ug/l	95
12) Methyl Acetate	5.018	43	42871m	9.636	ug/l	
13) Acrolein	4.183	56	50936	52.303	ug/l	98
14) Acrylonitrile	5.718	53	98599	44.418	ug/l	97
15) Acetone	4.424	58	25504m	49.995	ug/l	
16) Carbon Disulfide	4.718	76	122062	9.025	ug/l	96
17) Allyl chloride	5.018	41	57579	9.303	ug/l	89
18) Methylene Chloride	5.277	84	50672	8.991	ug/l #	90
19) trans-1,2-Dichloroethene	5.789	96	49985	8.935	ug/l	87
20) Diisopropyl ether	6.677	45	129931	8.735	ug/l	92
21) 1,1-Dichloroethane	6.565	63	83772	8.787	ug/l	96
22) cis-1,2-Dichloroethene	7.488	96	56903	8.754	ug/l	93
23) tert-Butyl Alcohol	5.518	59	37527	46.455	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	143675	8.794	ug/l	96
25) Chloroform	7.965	83	95609	9.040	ug/l	98
26) Cyclohexane	8.259	56	61703	8.596	ug/l #	83
29) 1,1-Dichloropropene	8.371	75	66352	9.202	ug/l	97
30) 2-Butanone	7.488	43	126676	47.884	ug/l	97
31) 2,2-Dichloropropane	7.494	77	72346	8.813	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	83035	9.154	ug/l #	90
33) Carbon Tetrachloride	8.365	117	69840	9.139	ug/l	96
34) Benzene	8.612	78	205368	9.320	ug/l	98
35) Methacrylonitrile	7.783	41	28710	9.233	ug/l	87
36) 1,2-Dichloroethane	8.677	62	71018	9.604	ug/l	99
37) Trichloroethene	9.359	130	54359	9.279	ug/l	100
38) Methylcyclohexane	9.600	83	65279	9.072	ug/l	95
39) 1,2-Dichloropropane	9.618	63	49865	9.541	ug/l	99
40) Dibromomethane	9.712	93	36969	9.297	ug/l	96
41) Bromodichloromethane	9.888	83	71099	9.136	ug/l	95
42) Vinyl Acetate	6.600	43	510680	44.928	ug/l	98

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Supervised By :Mahesh Dadoda 02/12/2024

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QLast Update : Sat Feb 10 01:30:36 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	48969	8.691	ug/l	96
44) Isopropyl Acetate	8.694	43	91591	9.251	ug/l	98
45) 1,4-Dioxane	9.700	88	18344	196.481	ug/l #	67
46) Methyl methacrylate	9.682	41	41014	9.054	ug/l	89
47) n-amyl Acetate	12.500	43	73381	8.499	ug/l	92
48) t-1,3-Dichloropropene	10.841	75	71793	8.803	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	76949	8.707	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	51474	9.356	ug/l	99
51) Ethyl methacrylate	10.876	69	67224	8.742	ug/l	89
52) 1,3-Dichloropropane	11.165	76	83987	9.244	ug/l	100
53) Dibromochloromethane	11.359	129	52904	8.822	ug/l	98
54) 1,2-Dibromoethane	11.471	107	52623	9.245	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	196009	49.741	ug/l	98
56) Bromoform	12.576	173	31249	8.182	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	268767	47.537	ug/l	93
59) 2-Hexanone	11.200	43	191854	46.137	ug/l	95
61) Tetrachloroethene	11.112	164	46355	9.319	ug/l	89
62) Toluene	10.635	91	224022	9.391	ug/l	100
64) Chlorobenzene	11.894	112	135332	9.263	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	47843	8.828	ug/l	97
66) Ethyl Benzene	11.965	91	231257	9.220	ug/l	98
67) m/p-Xylenes	12.076	106	176287	17.897	ug/l	97
68) o-Xylene	12.400	106	88048	9.121	ug/l	92
69) Styrene	12.412	104	138755	8.731	ug/l	97
70) Isopropylbenzene	12.700	105	215823	9.174	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	69630	9.599	ug/l	95
72) 1,2,3-Trichloropropane	12.994	75	52644m	9.499	ug/l	
73) Bromobenzene	12.982	156	55250	9.444	ug/l	87
74) n-propylbenzene	13.041	91	239980	8.976	ug/l	97
75) 2-Chlorotoluene	13.129	91	152737	9.203	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	169221	8.791	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	16986	7.974	ug/l	82
78) 4-Chlorotoluene	13.223	91	153965	9.262	ug/l	97
79) tert-butylbenzene	13.441	119	144435	9.039	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	169531	8.840	ug/l	94
81) sec-Butylbenzene	13.617	105	201164	8.990	ug/l	100
82) p-Isopropyltoluene	13.729	119	163537	8.706	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	92049	8.748	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	93636	8.866	ug/l	98
85) n-Butylbenzene	14.059	91	131882	8.509	ug/l	99
86) Hexachloroethane	14.341	117	25523	8.614	ug/l	85
87) 1,2-Dichlorobenzene	14.112	146	94746	9.249	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12150	9.280	ug/l	96
89) 1,2,4-Trichlorobenzene	15.841	180	45015	8.982	ug/l	96
90) Hexachlorobutadiene	15.506	225	20456	9.304	ug/l	96
91) Naphthalene	15.641	128	154603	8.688	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	45015	8.982	ug/l	96

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

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