

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020924\
 Data File : VN080981.D
 Acq On : 09 Feb 2024 10:47
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 10 01:38:26 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	7.812	128	90225	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	532975	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	477378	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	199078	29.364	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.867%			
60) 4-Bromofluorobenzene	12.853	95	222846	30.535	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.767%			
63) Toluene-d8	10.571	98	650390	30.359	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	111508	18.176	ug/l	96
3) Chloromethane	2.359	50	114560	18.582	ug/l	99
4) Vinyl Chloride	2.512	62	137476	18.703	ug/l	96
5) Bromomethane	2.918	94	94438	19.128	ug/l	100
6) Chloroethane	3.101	64	90850	18.961	ug/l	90
7) Trichlorofluoromethane	3.483	101	188027	19.426	ug/l	98
8) Diethyl Ether	3.953	74	64833	19.057	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	102627	19.546	ug/l	95
10) 1,1-Dichloroethene	4.330	96	100665	19.551	ug/l	98
11) Methyl Iodide	4.583	142	100920	18.302	ug/l	96
12) Methyl Acetate	5.030	43	87268	18.774	ug/l	90
13) Acrolein	4.171	56	101591	99.845	ug/l	98
14) Acrylonitrile	5.718	53	220555	95.098	ug/l	98
15) Acetone	4.430	58	50569	94.879	ug/l	91
16) Carbon Disulfide	4.706	76	276628	19.577	ug/l	99
17) Allyl chloride	5.018	41	125745	19.446	ug/l	89
18) Methylene Chloride	5.277	84	116380	19.765	ug/l	95
19) trans-1,2-Dichloroethene	5.777	96	115783	19.809	ug/l	86
20) Diisopropyl ether	6.671	45	293305	18.872	ug/l	98
21) 1,1-Dichloroethane	6.565	63	193097	19.387	ug/l	98
22) cis-1,2-Dichloroethene	7.489	96	133949	19.723	ug/l	93
23) tert-Butyl Alcohol	5.524	59	82190	97.380	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	328607	19.252	ug/l	97
25) Chloroform	7.965	83	217681	19.700	ug/l	97
26) Cyclohexane	8.259	56	149060	19.875	ug/l #	85
29) 1,1-Dichloropropene	8.371	75	155396	19.574	ug/l	98
30) 2-Butanone	7.483	43	277087	95.128	ug/l #	97
31) 2,2-Dichloropropane	7.489	77	175350	19.399	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	193215	19.347	ug/l	98
33) Carbon Tetrachloride	8.359	117	163702	19.455	ug/l	93
34) Benzene	8.612	78	473407	19.513	ug/l	98
35) Methacrylonitrile	7.777	41	63232	18.469	ug/l	93
36) 1,2-Dichloroethane	8.671	62	160210	19.677	ug/l	99
37) Trichloroethene	9.353	130	128703	19.953	ug/l	95
38) Methylcyclohexane	9.600	83	153933	19.429	ug/l	95
39) 1,2-Dichloropropane	9.624	63	112452	19.542	ug/l	100
40) Dibromomethane	9.712	93	84863	19.384	ug/l	96
41) Bromodichloromethane	9.888	83	163297	19.058	ug/l	97
42) Vinyl Acetate	6.600	43	1168310m	93.351	ug/l	

02/12/2024
 Supervised By :Mahesh
 Radoda

02/12/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	118461	19.096	ug/l	97
44) Isopropyl Acetate	8.694	43	207538	19.039	ug/l	98
45) 1,4-Dioxane	9.694	88	40219	391.246	ug/l	91
46) Methyl methacrylate	9.682	41	93324	18.710	ug/l	92
47) n-amyl Acetate	12.494	43	181342	19.075	ug/l	92
48) t-1,3-Dichloropropene	10.835	75	168943	18.813	ug/l	92
49) cis-1,3-Dichloropropene	10.312	75	187942	19.315	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	115382	19.047	ug/l	97
51) Ethyl methacrylate	10.877	69	159362	18.822	ug/l	90
52) 1,3-Dichloropropane	11.165	76	194035	19.397	ug/l	98
53) Dibromochloromethane	11.359	129	124621	18.874	ug/l	96
54) 1,2-Dibromoethane	11.471	107	118657	18.933	ug/l	96
55) 2-Chloroethyl vinyl ether	10.159	63	412281	95.022	ug/l	97
56) Bromoform	12.582	173	77672	18.471	ug/l #	98
58) 4-Methyl-2-Pentanone	10.447	43	604280	97.501	ug/l	94
59) 2-Hexanone	11.200	43	437787	96.040	ug/l	95
61) Tetrachloroethene	11.106	164	110118	20.194	ug/l	94
62) Toluene	10.635	91	519698	19.874	ug/l	100
64) Chlorobenzene	11.894	112	318400	19.880	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	118150	19.887	ug/l	97
66) Ethyl Benzene	11.965	91	552515	20.095	ug/l	98
67) m/p-Xylenes	12.076	106	439697	40.721	ug/l	92
68) o-Xylene	12.400	106	209138	19.764	ug/l	95
69) Styrene	12.412	104	345073	19.808	ug/l	96
70) Isopropylbenzene	12.700	105	520047	20.166	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	156219	19.645	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	118811m	19.556	ug/l	
73) Bromobenzene	12.982	156	130193	20.302	ug/l	89
74) n-propylbenzene	13.041	91	587573	20.048	ug/l	97
75) 2-Chlorotoluene	13.129	91	370863	20.384	ug/l	95
76) 1,3,5-Trimethylbenzene	13.176	105	425439	20.163	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	44539	19.074	ug/l	96
78) 4-Chlorotoluene	13.223	91	370338	20.323	ug/l	95
79) tert-butylbenzene	13.441	119	360432	20.578	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	424125	20.174	ug/l	97
81) sec-Butylbenzene	13.618	105	498017	20.304	ug/l	98
82) p-Isopropyltoluene	13.729	119	408914	19.858	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	238191	20.651	ug/l	96
84) 1,4-Dichlorobenzene	13.818	146	237002	20.471	ug/l	97
85) n-Butylbenzene	14.059	91	337251	19.849	ug/l	100
86) Hexachloroethane	14.335	117	63833	19.653	ug/l	86
87) 1,2-Dichlorobenzene	14.106	146	220904	19.672	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	26211	18.262	ug/l	89
89) 1,2,4-Trichlorobenzene	15.841	180	111578	20.310	ug/l	97
90) Hexachlorobutadiene	15.506	225	48120	19.965	ug/l	99
91) Naphthalene	15.641	128	382690	19.619	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	111578	20.310	ug/l	97

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

