

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085118.D
 Acq On : 06 Dec 2024 10:26
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/09/2024
 Supervised By :Semsettin Yesilyurt 12/09/2024

Quant Time: Dec 06 22:28:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:19:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	31263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	162398	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151793	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74804	30.155	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.533%			
60) 4-Bromofluorobenzene	12.847	95	75101	29.902	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%			
63) Toluene-d8	10.565	98	218988	30.755	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.533%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	51416	20.557	ug/l	100
3) Chloromethane	2.359	50	43625	19.705	ug/l	100
4) Vinyl Chloride	2.512	62	44749	19.762	ug/l	100
5) Bromomethane	2.965	94	27801	19.338	ug/l	100
6) Chloroethane	3.124	64	27130	19.501	ug/l	100
7) Trichlorofluoromethane	3.500	101	72134	19.461	ug/l	100
8) Diethyl Ether	3.959	74	21832	18.596	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	40093	19.343	ug/l	100
10) 1,1-Dichloroethene	4.342	96	36518	19.181	ug/l	100
11) Methyl Iodide	4.589	142	48887	18.514	ug/l	100
12) Methyl Acetate	5.018	43	42971	19.131	ug/l	100
13) Acrolein	4.183	56	26615	81.540	ug/l	100
14) Acrylonitrile	5.718	53	87191	93.488	ug/l	100
15) Acetone	4.424	58	23800	94.168	ug/l	100
16) Carbon Disulfide	4.712	76	111875	19.659	ug/l	100
17) Allyl chloride	5.024	41	49995	18.351	ug/l	100
18) Methylene Chloride	5.271	84	41937	19.412	ug/l	100
19) trans-1,2-Dichloroethene	5.783	96	37486	18.942	ug/l	100
20) Diisopropyl ether	6.665	45	118238	19.776	ug/l	100
21) 1,1-Dichloroethane	6.565	63	71204	19.296	ug/l	100
22) cis-1,2-Dichloroethene	7.488	96	44288	19.471	ug/l	100
23) tert-Butyl Alcohol	5.512	59	30593	91.438	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	113672	19.125	ug/l	100
25) Chloroform	7.959	83	75756	19.596	ug/l	100
26) Cyclohexane	8.253	56	60954	20.061	ug/l	100
29) 1,1-Dichloropropene	8.371	75	52226	19.930	ug/l	100
30) 2-Butanone	7.483	43	117537	97.739	ug/l	100
31) 2,2-Dichloropropane	7.488	77	65781	19.575	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	71977	20.293	ug/l	100
33) Carbon Tetrachloride	8.359	117	63567	19.861	ug/l	100
34) Benzene	8.606	78	162502	19.740	ug/l	100
35) Methacrylonitrile	7.777	41	27120	20.040	ug/l	100
36) 1,2-Dichloroethane	8.665	62	54631	19.494	ug/l	100
37) Trichloroethene	9.353	130	38555	19.667	ug/l	100
38) Methylcyclohexane	9.600	83	52032	18.261	ug/l	100
39) 1,2-Dichloropropane	9.618	63	40007	20.064	ug/l	100
40) Dibromomethane	9.706	93	28813	20.145	ug/l	100
41) Bromodichloromethane	9.882	83	60013	19.628	ug/l	100
42) Vinyl Acetate	6.600	43	404546	96.136	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	43730	18.276	ug/l	100
44) Isopropyl Acetate	8.688	43	80717	19.412	ug/l	100
45) 1,4-Dioxane	9.694	88	13988	403.408	ug/l	100
46) Methyl methacrylate	9.682	41	37174	19.535	ug/l	100
47) n-amyl Acetate	12.494	43	67009	19.154	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	55998	18.657	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	63845	19.540	ug/l	100
50) 1,1,2-Trichloroethane	11.012	97	38466	19.958	ug/l	100
51) Ethyl methacrylate	10.871	69	54805	18.696	ug/l	100
52) 1,3-Dichloropropane	11.159	76	63330	19.634	ug/l	100
53) Dibromochloromethane	11.353	129	46068	19.614	ug/l	100
54) 1,2-Dibromoethane	11.465	107	37625	19.376	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	133977	98.387	ug/l	100
56) Bromoform	12.576	173	29780	18.911	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	249951	100.896	ug/l	100
59) 2-Hexanone	11.194	43	190003	101.223	ug/l	100
61) Tetrachloroethene	11.100	164	36183	19.684	ug/l	100
62) Toluene	10.629	91	173344	19.581	ug/l	100
64) Chlorobenzene	11.888	112	106855	19.550	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	38831	19.032	ug/l	100
66) Ethyl Benzene	11.965	91	176006	18.737	ug/l	100
67) m/p-Xylenes	12.070	106	144263	39.929	ug/l	100
68) o-Xylene	12.394	106	65568	19.324	ug/l	100
69) Styrene	12.412	104	111060	19.289	ug/l	100
70) Isopropylbenzene	12.694	105	167624	19.153	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	53829	20.208	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	53975m	20.512	ug/l	
73) Bromobenzene	12.976	156	42513	19.393	ug/l	100
74) n-propylbenzene	13.035	91	204446	19.431	ug/l	100
75) 2-Chlorotoluene	13.123	91	128581	19.766	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	145824	19.449	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18073	18.901	ug/l	100
78) 4-Chlorotoluene	13.217	91	127680	19.337	ug/l	100
79) tert-butylbenzene	13.435	119	118752	19.283	ug/l	100
80) 1,2,4-Trimethylbenzene	13.476	105	144579	19.521	ug/l	100
81) sec-Butylbenzene	13.612	105	168895	19.304	ug/l	100
82) p-Isopropyltoluene	13.729	119	138833	19.140	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77464	19.261	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	75083	19.156	ug/l	100
85) n-Butylbenzene	14.053	91	109819	18.049	ug/l	100
86) Hexachloroethane	14.329	117	27795	19.248	ug/l	100
87) 1,2-Dichlorobenzene	14.100	146	72993	19.228	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10448	19.634	ug/l	100
89) 1,2,4-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100
90) Hexachlorobutadiene	15.500	225	18570	19.222	ug/l	100
91) Naphthalene	15.641	128	98254	17.011	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	34577	18.598	ug/l	100

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

