

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084340.D
 Acq On : 08 Oct 2024 10:55
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

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

Quant Time: Oct 09 02:08:40 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	34673	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	193364	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	180372	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	85525	30.638	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	102.133%	
60) 4-Bromofluorobenzene	12.847	95	88736	29.808	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.367%	
63) Toluene-d8	10.565	98	251690	30.121	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44634	21.084	ug/l	100
3) Chloromethane	2.359	50	49609	20.593	ug/l	100
4) Vinyl Chloride	2.512	62	48486	20.524	ug/l	100
5) Bromomethane	2.959	94	32772	20.938	ug/l	100
6) Chloroethane	3.118	64	32274	20.839	ug/l	100
7) Trichlorofluoromethane	3.495	101	78670	20.444	ug/l	100
8) Diethyl Ether	3.965	74	28475	20.127	ug/l	100
9) 1,1,2-Trichlorotrifluoro...	4.365	101	43710	20.202	ug/l	100
10) 1,1-Dichloroethene	4.342	96	42386	19.633	ug/l	100
11) Methyl Iodide	4.594	142	57080	20.119	ug/l	100
12) Methyl Acetate	5.030	43	52868	19.561	ug/l	100
13) Acrolein	4.183	56	46516	92.647	ug/l	100
14) Acrylonitrile	5.718	53	123604	101.793	ug/l	100
15) Acetone	4.424	58	33083	95.376	ug/l	100
16) Carbon Disulfide	4.706	76	131855	20.510	ug/l	100
17) Allyl chloride	5.024	41	71450	20.416	ug/l	100
18) Methylene Chloride	5.277	84	49627	20.406	ug/l	100
19) trans-1,2-Dichloroethene	5.789	96	46499	20.351	ug/l	100
20) Diisopropyl ether	6.671	45	153833	20.444	ug/l	100
21) 1,1-Dichloroethane	6.571	63	88689	20.541	ug/l	100
22) cis-1,2-Dichloroethene	7.488	96	54636	20.549	ug/l	100
23) tert-Butyl Alcohol	5.524	59	46138	99.059	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	145915	20.224	ug/l	100
25) Chloroform	7.965	83	90176	20.622	ug/l	100
26) Cyclohexane	8.253	56	76065	21.064	ug/l #	100
29) 1,1-Dichloropropene	8.371	75	63494	20.003	ug/l	100
30) 2-Butanone	7.483	43	165771	98.088	ug/l	100
31) 2,2-Dichloropropane	7.488	77	74258	19.908	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	83522	20.585	ug/l	100
33) Carbon Tetrachloride	8.365	117	70174	19.964	ug/l	100
34) Benzene	8.606	78	200730	20.202	ug/l	100
35) Methacrylonitrile	7.783	41	35246	19.549	ug/l	100
36) 1,2-Dichloroethane	8.671	62	67270	20.311	ug/l	100
37) Trichloroethene	9.347	130	47143	20.604	ug/l	100
38) Methylcyclohexane	9.600	83	66905	19.189	ug/l	100
39) 1,2-Dichloropropane	9.624	63	49785	20.547	ug/l	100
40) Dibromomethane	9.706	93	33881	20.007	ug/l	100
41) Bromodichloromethane	9.888	83	72106	20.057	ug/l	100
42) Vinyl Acetate	6.600	43	572205	97.351	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	65636	19.692	ug/l	100
44) Isopropyl Acetate	8.688	43	108346	19.860	ug/l	100
45) 1,4-Dioxane	9.700	88	18510	376.387	ug/l	100
46) Methyl methacrylate	9.682	41	52087	19.761	ug/l	100
47) n-amyl Acetate	12.494	43	95368	19.654	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	72331	19.470	ug/l	100
49) cis-1,3-Dichloropropene	10.312	75	79003	20.292	ug/l	100
50) 1,1,2-Trichloroethane	11.018	97	45599	20.033	ug/l	100
51) Ethyl methacrylate	10.876	69	74070	19.701	ug/l	100
52) 1,3-Dichloropropane	11.165	76	80622	20.257	ug/l	100
53) Dibromochloromethane	11.359	129	53563	19.920	ug/l	100
54) 1,2-Dibromoethane	11.470	107	47708	20.362	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	161430	94.667	ug/l	100
56) Bromoform	12.576	173	34047	19.091	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	336052	100.014	ug/l	100
59) 2-Hexanone	11.194	43	245030	98.139	ug/l	100
61) Tetrachloroethene	11.100	164	41072	20.131	ug/l	100
62) Toluene	10.629	91	211795	20.058	ug/l	100
64) Chlorobenzene	11.888	112	130620	19.878	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	46005	20.153	ug/l	100
66) Ethyl Benzene	11.965	91	227198	19.804	ug/l	100
67) m/p-Xylenes	12.070	106	174434	40.081	ug/l	100
68) o-Xylene	12.400	106	83154	19.823	ug/l	100
69) Styrene	12.412	104	142239	19.752	ug/l	100
70) Isopropylbenzene	12.694	105	214822	20.060	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	66030	19.931	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	56046m	19.781	ug/l	
73) Bromobenzene	12.982	156	51441	19.834	ug/l	100
74) n-propylbenzene	13.035	91	253393	19.856	ug/l	100
75) 2-Chlorotoluene	13.123	91	158981	20.048	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	178878	19.838	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	22530	18.583	ug/l	100
78) 4-Chlorotoluene	13.217	91	159107	19.735	ug/l	100
79) tert-butylbenzene	13.435	119	151487	19.692	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	180628	19.743	ug/l	100
81) sec-Butylbenzene	13.617	105	210010	19.829	ug/l	100
82) p-Isopropyltoluene	13.729	119	173074	19.415	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	95054	19.711	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	91564	19.121	ug/l	100
85) n-Butylbenzene	14.053	91	144192	18.676	ug/l	100
86) Hexachloroethane	14.335	117	33531	19.524	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	90933	19.503	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.723	75	13240	19.543	ug/l	100
89) 1,2,4-Trichlorobenzene	15.841	180	45853	18.915	ug/l	100
90) Hexachlorobutadiene	15.500	225	20860	18.600	ug/l	100
91) Naphthalene	15.641	128	154471	18.804	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	45853	18.915	ug/l	100

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

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