

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120624\
 Data File : VN085123.D
 Acq On : 06 Dec 2024 12:28
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN120624

Quant Time: Dec 06 23:06:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.818	128	34320	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	185717	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	167596	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80315	29.493	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.300%		
60) 4-Bromofluorobenzene	12.847	95	85871	30.966	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	103.233%		
63) Toluene-d8	10.565	98	238389	30.323	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.067%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	60791	22.140	ug/l	99
3) Chloromethane	2.359	50	54189	22.297	ug/l	94
4) Vinyl Chloride	2.512	62	53524	21.532	ug/l	96
5) Bromomethane	2.965	94	37678	23.874	ug/l	100
6) Chloroethane	3.124	64	34096	22.326	ug/l	96
7) Trichlorofluoromethane	3.500	101	88313	21.704	ug/l	97
8) Diethyl Ether	3.959	74	28800	22.346	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	50308	22.109	ug/l	97
10) 1,1-Dichloroethene	4.342	96	45812	21.919	ug/l	98
11) Methyl Iodide	4.589	142	63446	21.887	ug/l	96
12) Methyl Acetate	5.018	43	53958	21.883	ug/l	91
13) Acrolein	4.177	56	29807	83.185	ug/l	97
14) Acrylonitrile	5.718	53	111980	109.372	ug/l	96
15) Acetone	4.424	58	29118	104.948	ug/l	97
16) Carbon Disulfide	4.712	76	137866	22.068	ug/l	97
17) Allyl chloride	5.024	41	65461	21.888	ug/l	94
18) Methylene Chloride	5.283	84	49652	20.936	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	47495	21.862	ug/l	96
20) Diisopropyl ether	6.665	45	143427	21.853	ug/l	98
21) 1,1-Dichloroethane	6.565	63	88356	21.811	ug/l #	97
22) cis-1,2-Dichloroethene	7.488	96	56787	22.742	ug/l	98
23) tert-Butyl Alcohol	5.512	59	41094	111.884	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	145319	22.254	ug/l #	76
25) Chloroform	7.965	83	91959	21.669	ug/l	96
26) Cyclohexane	8.259	56	75227	22.553	ug/l	97
29) 1,1-Dichloropropene	8.371	75	65505	21.858	ug/l	99
30) 2-Butanone	7.483	43	147216	107.048	ug/l	98
31) 2,2-Dichloropropane	7.488	77	82584	21.490	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	86299	21.275	ug/l	99
33) Carbon Tetrachloride	8.359	117	76333	20.855	ug/l	95
34) Benzene	8.606	78	199228	21.162	ug/l	94
35) Methacrylonitrile	7.771	41	34766	22.464	ug/l	97
36) 1,2-Dichloroethane	8.665	62	68920	21.505	ug/l	100
37) Trichloroethene	9.347	130	48331	21.558	ug/l	92
38) Methylcyclohexane	9.600	83	71750	22.020	ug/l	95
39) 1,2-Dichloropropane	9.618	63	47583	20.867	ug/l	94
40) Dibromomethane	9.712	93	34556	21.127	ug/l	98
41) Bromodichloromethane	9.888	83	73839	21.117	ug/l	94
42) Vinyl Acetate	6.600	43	554646	115.256	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	62407	22.807	ug/l	93
44) Isopropyl Acetate	8.682	43	103521	21.770	ug/l	100
45) 1,4-Dioxane	9.694	88	17346	437.438	ug/l	96
46) Methyl methacrylate	9.677	41	47854	21.989	ug/l	96
47) n-amyl Acetate	12.488	43	87700	21.920	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	72633	21.161	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	79711	21.333	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	47258	21.441	ug/l	95
51) Ethyl methacrylate	10.871	69	74129	22.113	ug/l	97
52) 1,3-Dichloropropane	11.159	76	79252	21.486	ug/l	99
53) Dibromochloromethane	11.353	129	55601	20.701	ug/l	93
54) 1,2-Dibromoethane	11.465	107	47513	21.396	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	120953	77.670	ug/l	99
56) Bromoform	12.576	173	37077	20.588	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	305762	111.787	ug/l	99
59) 2-Hexanone	11.194	43	233377	112.607	ug/l	98
61) Tetrachloroethene	11.100	164	45248	22.294	ug/l	95
62) Toluene	10.629	91	214790	21.975	ug/l	99
64) Chlorobenzene	11.888	112	133437	22.112	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	48941	21.725	ug/l	98
66) Ethyl Benzene	11.965	91	231289	22.300	ug/l	96
67) m/p-Xylenes	12.070	106	182990	45.872	ug/l	99
68) o-Xylene	12.394	106	84266	22.492	ug/l	99
69) Styrene	12.412	104	145082	22.822	ug/l	99
70) Isopropylbenzene	12.694	105	217804	22.540	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	65321	22.210	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	68116m	23.445	ug/l	
73) Bromobenzene	12.976	156	53832	22.241	ug/l	99
74) n-propylbenzene	13.035	91	261027	22.470	ug/l	99
75) 2-Chlorotoluene	13.123	91	161221	22.446	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	189105	22.843	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	22735	21.535	ug/l	99
78) 4-Chlorotoluene	13.217	91	163711	22.456	ug/l	100
79) tert-butylbenzene	13.435	119	152793	22.471	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	188016	22.992	ug/l	100
81) sec-Butylbenzene	13.612	105	221463	22.925	ug/l	99
82) p-Isopropyltoluene	13.729	119	181815	22.702	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	96640	21.763	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	98028	22.651	ug/l	99
85) n-Butylbenzene	14.053	91	148587	22.118	ug/l	98
86) Hexachloroethane	14.329	117	34505	21.642	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	92278	22.016	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	12928	22.003	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97
90) Hexachlorobutadiene	15.500	225	24662	23.121	ug/l	98
91) Naphthalene	15.641	128	145950	22.886	ug/l	98
92) 1,2,3-Trichlorobenzene	15.835	180	47265	23.026	ug/l	97

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

