

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121624\
 Data File : VN085216.D
 Acq On : 16 Dec 2024 16:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/17/2024
 Supervised By :Semsettin Yesilyurt 12/17/2024

Quant Time: Dec 17 02:01:40 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	29360	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	158547	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146162	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	71020	30.486	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.633%			
60) 4-Bromofluorobenzene	12.847	95	73363	30.335	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.133%			
63) Toluene-d8	10.565	98	203918	29.742	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49748	21.179	ug/l	93
3) Chloromethane	2.359	50	42949	20.658	ug/l	99
4) Vinyl Chloride	2.512	62	44990	21.156	ug/l	97
5) Bromomethane	2.959	94	25352	18.777	ug/l	93
6) Chloroethane	3.118	64	28088	21.499	ug/l	100
7) Trichlorofluoromethane	3.501	101	70874	20.361	ug/l	99
8) Diethyl Ether	3.959	74	22341	20.263	ug/l	99
9) 1,1,2-Trichlorotrifluoro...	4.371	101	40686	20.901	ug/l	98
10) 1,1-Dichloroethene	4.336	96	36236	20.266	ug/l	94
11) Methyl Iodide	4.583	142	40185	16.205	ug/l	92
12) Methyl Acetate	5.024	43	45420	21.532	ug/l	94
13) Acrolein	4.177	56	33787	110.222	ug/l	93
14) Acrylonitrile	5.718	53	90277	103.071	ug/l	99
15) Acetone	4.424	58	28037	118.123	ug/l	98
16) Carbon Disulfide	4.706	76	106280	19.886	ug/l	97
17) Allyl chloride	5.024	41	49851	19.485	ug/l	93
18) Methylene Chloride	5.271	84	38850	19.149	ug/l	96
19) trans-1,2-Dichloroethene	5.777	96	37332	20.087	ug/l	98
20) Diisopropyl ether	6.671	45	112534	20.042	ug/l	98
21) 1,1-Dichloroethane	6.565	63	69939	20.181	ug/l #	95
22) cis-1,2-Dichloroethene	7.489	96	42975	20.118	ug/l	99
23) tert-Butyl Alcohol	5.512	59	31217	99.351	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	115332	20.646	ug/l #	76
25) Chloroform	7.965	83	74737	20.586	ug/l	94
26) Cyclohexane	8.253	56	55678	19.513	ug/l #	90
29) 1,1-Dichloropropene	8.365	75	51044	19.952	ug/l	98
30) 2-Butanone	7.483	43	122922	104.700	ug/l	99
31) 2,2-Dichloropropane	7.483	77	65668	20.016	ug/l #	100
32) 1,1,1-Trichloroethane	8.171	97	70477	20.352	ug/l	98
33) Carbon Tetrachloride	8.359	117	62403	19.971	ug/l	92
34) Benzene	8.600	78	158070	19.668	ug/l	98
35) Methacrylonitrile	7.771	41	24639	18.649	ug/l	88
36) 1,2-Dichloroethane	8.665	62	53647	19.608	ug/l	100
37) Trichloroethene	9.347	130	37732	19.715	ug/l	89
38) Methylcyclohexane	9.600	83	53143	19.104	ug/l	95
39) 1,2-Dichloropropane	9.618	63	37813	19.424	ug/l	96
40) Dibromomethane	9.706	93	28271	20.246	ug/l	99
41) Bromodichloromethane	9.883	83	59043	19.780	ug/l	95
42) Vinyl Acetate	6.600	43	421239	102.535	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	47420	20.300	ug/l	96
44) Isopropyl Acetate	8.683	43	83434	20.553	ug/l	100
45) 1,4-Dioxane	9.694	88	13913	410.991	ug/l	96
46) Methyl methacrylate	9.677	41	38564	20.757	ug/l	89
47) n-amyl Acetate	12.488	43	68064	19.928	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	56984	19.447	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	61200	19.185	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	37831	20.106	ug/l	97
51) Ethyl methacrylate	10.871	69	56637	19.790	ug/l	96
52) 1,3-Dichloropropane	11.159	76	63193	20.068	ug/l	99
53) Dibromochloromethane	11.359	129	46186	20.142	ug/l	97
54) 1,2-Dibromoethane	11.465	107	37912	19.998	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	127137	95.632	ug/l	98
56) Bromoform	12.576	173	30230	19.663	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	241784	101.359	ug/l	98
59) 2-Hexanone	11.194	43	180597	99.918	ug/l	98
61) Tetrachloroethene	11.100	164	35484	20.047	ug/l	88
62) Toluene	10.630	91	167102	19.603	ug/l	99
64) Chlorobenzene	11.888	112	107226	20.374	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	38942	19.821	ug/l	99
66) Ethyl Benzene	11.959	91	180830	19.992	ug/l	94
67) m/p-Xylenes	12.071	106	141848	40.773	ug/l	99
68) o-Xylene	12.394	106	66647	20.398	ug/l	97
69) Styrene	12.412	104	111932	20.189	ug/l	99
70) Isopropylbenzene	12.694	105	169768	20.146	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	52367	20.416	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	48416m	19.108	ug/l	
73) Bromobenzene	12.982	156	43360	20.542	ug/l	97
74) n-propylbenzene	13.035	91	204268	20.162	ug/l	99
75) 2-Chlorotoluene	13.123	91	125691	20.066	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	147652	20.451	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17306	18.797	ug/l	98
78) 4-Chlorotoluene	13.218	91	127980	20.129	ug/l	100
79) tert-butylbenzene	13.435	119	118141	19.923	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	148267	20.790	ug/l	99
81) sec-Butylbenzene	13.612	105	169428	20.111	ug/l	98
82) p-Isopropyltoluene	13.729	119	142796	20.444	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	77972	20.134	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	77546	20.546	ug/l	99
85) n-Butylbenzene	14.053	91	115848	19.773	ug/l	99
86) Hexachloroethane	14.329	117	28941	20.814	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	74498	20.380	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10280	20.062	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96
90) Hexachlorobutadiene	15.500	225	18191	19.555	ug/l	96
91) Naphthalene	15.641	128	107788	19.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34875	19.481	ug/l	96

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

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