

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083869.D
 Acq On : 13 Sep 2024 14:23
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 13 23:50:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/14/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024

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

Internal Standards						
1) Bromochloromethane	7.812	128	25848	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	148382	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138167	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73975	31.310	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.367%			
60) 4-Bromofluorobenzene	12.847	95	70431	29.577	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.600%			
63) Toluene-d8	10.565	98	193513	30.248	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.833%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	34263	19.794	ug/l	99
3) Chloromethane	2.359	50	35554	19.768	ug/l	99
4) Vinyl Chloride	2.512	62	35649	19.281	ug/l	96
5) Bromomethane	2.965	94	22818	22.089	ug/l	92
6) Chloroethane	3.124	64	25314	20.446	ug/l	96
7) Trichlorofluoromethane	3.500	101	60565	19.539	ug/l	92
8) Diethyl Ether	3.965	74	19875	18.870	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.377	101	31914	19.167	ug/l	93
10) 1,1-Dichloroethene	4.342	96	30604	19.050	ug/l	87
11) Methyl Iodide	4.594	142	42598	19.521	ug/l	89
12) Methyl Acetate	5.024	43	38693	19.971	ug/l #	79
13) Acrolein	4.183	56	25409	89.863	ug/l	98
14) Acrylonitrile	5.724	53	78931	100.671	ug/l	99
15) Acetone	4.430	58	21459	82.507	ug/l	80
16) Carbon Disulfide	4.706	76	81543	17.960	ug/l	98
17) Allyl chloride	5.024	41	48421	17.188	ug/l	86
18) Methylene Chloride	5.277	84	35823	20.382	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	30743	18.464	ug/l	95
20) Diisopropyl ether	6.671	45	109420	19.232	ug/l	92
21) 1,1-Dichloroethane	6.571	63	64662	19.906	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	38531	19.013	ug/l	92
23) tert-Butyl Alcohol	5.524	59	34272	119.118	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	109347	19.154	ug/l #	85
25) Chloroform	7.965	83	67550	19.623	ug/l	93
26) Cyclohexane	8.259	56	51790	18.102	ug/l #	88
29) 1,1-Dichloropropene	8.377	75	46132	19.601	ug/l	99
30) 2-Butanone	7.483	43	114455	103.165	ug/l	93
31) 2,2-Dichloropropane	7.494	77	52037	17.342	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	61405	19.536	ug/l	96
33) Carbon Tetrachloride	8.365	117	52841	19.413	ug/l	97
34) Benzene	8.606	78	141840	20.086	ug/l	96
35) Methacrylonitrile	7.777	41	26380	21.152	ug/l	88
36) 1,2-Dichloroethane	8.671	62	56374	21.235	ug/l #	93
37) Trichloroethene	9.353	130	32654	19.692	ug/l	99
38) Methylcyclohexane	9.600	83	49311	17.500	ug/l	93
39) 1,2-Dichloropropane	9.624	63	34127	20.080	ug/l	97
40) Dibromomethane	9.706	93	24525	19.735	ug/l	95
41) Bromodichloromethane	9.888	83	53420	20.215	ug/l	99
42) Vinyl Acetate	6.606	43	426268	93.451	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	44588	19.967	ug/l	96
44) Isopropyl Acetate	8.688	43	83200	21.542	ug/l #	88
45) 1,4-Dioxane	9.694	88	13824	458.898	ug/l #	92
46) Methyl methacrylate	9.682	41	39606	21.186	ug/l	82
47) n-amyl Acetate	12.494	43	71173	20.803	ug/l	91
48) t-1,3-Dichloropropene	10.835	75	50568	18.192	ug/l	94
49) cis-1,3-Dichloropropene	10.312	75	53791	18.608	ug/l #	79
50) 1,1,2-Trichloroethane	11.018	97	32830	20.762	ug/l	91
51) Ethyl methacrylate	10.871	69	53406	19.769	ug/l #	72
52) 1,3-Dichloropropane	11.165	76	58174	20.372	ug/l	98
53) Dibromochloromethane	11.359	129	37580	19.814	ug/l	99
54) 1,2-Dibromoethane	11.470	107	33661	20.577	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	116804	108.489	ug/l	98
56) Bromoform	12.576	173	22423	18.609	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	239303	109.231	ug/l #	88
59) 2-Hexanone	11.194	43	173948	105.079	ug/l	89
61) Tetrachloroethene	11.106	164	28582	19.547	ug/l	88
62) Toluene	10.629	91	152580	19.213	ug/l	98
64) Chlorobenzene	11.894	112	91196	18.547	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	31861	18.601	ug/l	97
66) Ethyl Benzene	11.965	91	167803	18.580	ug/l	98
67) m/p-Xylenes	12.070	106	124887	37.587	ug/l	98
68) o-Xylene	12.400	106	60902	18.939	ug/l	97
69) Styrene	12.412	104	102160	18.802	ug/l	99
70) Isopropylbenzene	12.694	105	156722	18.468	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	48177	20.786	ug/l #	95
72) 1,2,3-Trichloropropane	12.994	75	40415m	19.888	ug/l	
73) Bromobenzene	12.976	156	35840	18.387	ug/l	93
74) n-propylbenzene	13.035	91	181297	18.250	ug/l	99
75) 2-Chlorotoluene	13.123	91	116460	18.783	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	131870	18.603	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	14860	17.300	ug/l	82
78) 4-Chlorotoluene	13.223	91	113084	17.985	ug/l	98
79) tert-butylbenzene	13.435	119	113498	18.310	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	131889	18.411	ug/l	100
81) sec-Butylbenzene	13.617	105	152806	18.045	ug/l	99
82) p-Isopropyltoluene	13.729	119	126441	17.747	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	64023	17.066	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	64125	17.097	ug/l	99
85) n-Butylbenzene	14.053	91	105552	16.788	ug/l	97
86) Hexachloroethane	14.335	117	24376	18.054	ug/l	86
87) 1,2-Dichlorobenzene	14.106	146	65235	17.918	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9870	19.377	ug/l	85
89) 1,2,4-Trichlorobenzene	15.835	180	31091	15.587	ug/l	99
90) Hexachlorobutadiene	15.500	225	13321	16.135	ug/l	96
91) Naphthalene	15.641	128	100328	15.385	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	31091	15.587	ug/l	99

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

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