

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090624\
 Data File : VN083704.D
 Acq On : 06 Sep 2024 18:24
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 06 23:50:37 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	27171	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	160582	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	143242	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77065	31.029	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.433%			
60) 4-Bromofluorobenzene	12.847	95	74629	30.229	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.767%			
63) Toluene-d8	10.565	98	201249	30.342	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36154	19.870	ug/l	99
3) Chloromethane	2.359	50	40857	21.611	ug/l	97
4) Vinyl Chloride	2.512	62	40260	20.715	ug/l #	85
5) Bromomethane	2.901	94	21654	19.941	ug/l	98
6) Chloroethane	3.077	64	30699	23.588	ug/l	98
7) Trichlorofluoromethane	3.471	101	67416	20.690	ug/l	98
8) Diethyl Ether	3.953	74	24845	22.440	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.359	101	35451	20.255	ug/l	62
10) 1,1-Dichloroethene	4.330	96	34253	20.283	ug/l	82
11) Methyl Iodide	4.577	142	35550	15.498	ug/l	97
12) Methyl Acetate	5.024	43	45923	22.549	ug/l #	74
13) Acrolein	4.171	56	33115	111.414	ug/l	98
14) Acrylonitrile	5.718	53	91794	111.376	ug/l	98
15) Acetone	4.430	58	24861	90.933	ug/l	80
16) Carbon Disulfide	4.700	76	93428	19.576	ug/l	97
17) Allyl chloride	5.018	41	61458	20.753	ug/l	86
18) Methylene Chloride	5.277	84	43281m	23.426	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	34576	19.755	ug/l	98
20) Diisopropyl ether	6.671	45	130294	21.786	ug/l	96
21) 1,1-Dichloroethane	6.565	63	73225	21.445	ug/l	95
22) cis-1,2-Dichloroethene	7.483	96	43771	20.547	ug/l	92
23) tert-Butyl Alcohol	5.530	59	33581	111.033	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	129045	21.503	ug/l #	87
25) Chloroform	7.965	83	77403	21.390	ug/l	100
26) Cyclohexane	8.253	56	58720	19.525	ug/l #	89
29) 1,1-Dichloropropene	8.365	75	50725	19.915	ug/l	98
30) 2-Butanone	7.489	43	125981	104.927	ug/l	94
31) 2,2-Dichloropropane	7.489	77	61908	19.064	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	70394	20.695	ug/l	98
33) Carbon Tetrachloride	8.359	117	59984	20.363	ug/l	98
34) Benzene	8.600	78	161754	21.166	ug/l #	93
35) Methacrylonitrile	7.771	41	27795	20.593	ug/l	89
36) 1,2-Dichloroethane	8.671	62	61770	21.500	ug/l	95
37) Trichloroethene	9.347	130	36146	20.141	ug/l	98
38) Methylcyclohexane	9.600	83	58826	19.291	ug/l	96
39) 1,2-Dichloropropane	9.618	63	39152	21.286	ug/l	99
40) Dibromomethane	9.706	93	29129	21.659	ug/l	92
41) Bromodichloromethane	9.888	83	60530	21.165	ug/l	99
42) Vinyl Acetate	6.600	43	476700	96.567	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	50230	20.785	ug/l	99
44) Isopropyl Acetate	8.688	43	93167	22.290	ug/l	91
45) 1,4-Dioxane	9.694	88	14079	431.856	ug/l	97
46) Methyl methacrylate	9.682	41	43258	21.382	ug/l	80
47) n-amyl Acetate	12.494	43	81741	22.077	ug/l	89
48) t-1,3-Dichloropropene	10.835	75	58420	19.420	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	62462	19.966	ug/l #	83
50) 1,1,2-Trichloroethane	11.012	97	37492	21.908	ug/l	94
51) Ethyl methacrylate	10.871	69	61681	21.097	ug/l	77
52) 1,3-Dichloropropane	11.159	76	65095	21.063	ug/l	99
53) Dibromochloromethane	11.359	129	41275	20.109	ug/l	97
54) 1,2-Dibromoethane	11.471	107	37477	21.169	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	125112	107.377	ug/l	98
56) Bromoform	12.576	173	25254	19.366	ug/l	93
58) 4-Methyl-2-Pentanone	10.447	43	260961	114.896	ug/l #	88
59) 2-Hexanone	11.194	43	191368	111.506	ug/l	88
61) Tetrachloroethene	11.106	164	30832	20.338	ug/l	86
62) Toluene	10.630	91	174351	21.176	ug/l	100
64) Chlorobenzene	11.888	112	103414	20.287	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	37128	20.908	ug/l	97
66) Ethyl Benzene	11.965	91	190886	20.387	ug/l	99
67) m/p-Xylenes	12.071	106	141104	40.963	ug/l	98
68) o-Xylene	12.400	106	69120	20.733	ug/l	97
69) Styrene	12.412	104	113872	20.215	ug/l	98
70) Isopropylbenzene	12.694	105	178147	20.249	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	53175	22.129	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	45619m	21.653	ug/l	
73) Bromobenzene	12.982	156	40896	20.237	ug/l	97
74) n-propylbenzene	13.035	91	202253	19.638	ug/l	99
75) 2-Chlorotoluene	13.123	91	130622	20.321	ug/l	98
76) 1,3,5-Trimethylbenzene	13.171	105	153168	20.841	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	12065	13.548	ug/l	76
78) 4-Chlorotoluene	13.223	91	130265	19.983	ug/l	98
79) tert-butylbenzene	13.435	119	135874	21.143	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	153993	20.735	ug/l	99
81) sec-Butylbenzene	13.618	105	175916	20.038	ug/l	98
82) p-Isopropyltoluene	13.729	119	147634	19.987	ug/l	97
83) 1,3-Dichlorobenzene	13.729	146	75521	19.417	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	74198	19.082	ug/l	99
85) n-Butylbenzene	14.053	91	122339	18.769	ug/l	97
86) Hexachloroethane	14.329	117	27819	19.874	ug/l	88
87) 1,2-Dichlorobenzene	14.106	146	75891	20.106	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10843	20.533	ug/l	93
89) 1,2,4-Trichlorobenzene	15.835	180	38092	18.420	ug/l	98
90) Hexachlorobutadiene	15.500	225	15761	18.414	ug/l	98
91) Naphthalene	15.641	128	127652	18.882	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	38092	18.420	ug/l	98

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

