

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081981.D
 Acq On : 02 May 2024 17:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 05/03/2024
 Supervised By :Semsettin Yesilyurt 05/03/2024

Quant Time: May 03 00:12:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	34675	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	213250	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183298	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	85583	29.479	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.267%		
60) 4-Bromofluorobenzene	12.853	95	90242	29.583	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.600%		
63) Toluene-d8	10.571	98	267913	30.777	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38157	19.386	ug/l	91
3) Chloromethane	2.359	50	45114	19.764	ug/l	97
4) Vinyl Chloride	2.512	62	42358	19.643	ug/l	97
5) Bromomethane	2.965	94	18944	16.836	ug/l	89
6) Chloroethane	3.118	64	25264	20.690	ug/l	96
7) Trichlorofluoromethane	3.500	101	59767	18.941	ug/l	99
8) Diethyl Ether	3.959	74	29979	19.626	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	41201	19.047	ug/l	80
10) 1,1-Dichloroethene	4.342	96	41833	19.767	ug/l	94
11) Methyl Iodide	4.583	142	37485	19.382	ug/l	90
12) Methyl Acetate	5.024	43	59457	22.437	ug/l #	85
13) Acrolein	4.177	56	41698	74.039	ug/l	95
14) Acrylonitrile	5.718	53	128115	105.932	ug/l	99
15) Acetone	4.424	58	27655	102.045	ug/l	99
16) Carbon Disulfide	4.718	76	109202	18.625	ug/l	99
17) Allyl chloride	5.012	41	73234	19.710	ug/l	80
18) Methylene Chloride	5.277	84	47730	19.822	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	43066	19.550	ug/l	98
20) Diisopropyl ether	6.665	45	170933	20.793	ug/l #	93
21) 1,1-Dichloroethane	6.571	63	89769	20.623	ug/l	94
22) cis-1,2-Dichloroethene	7.488	96	53561	19.953	ug/l	93
23) tert-Butyl Alcohol	5.518	59	46855m	94.055	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	153276	20.089	ug/l #	88
25) Chloroform	7.965	83	87201	20.823	ug/l	97
26) Cyclohexane	8.265	56	74406	19.767	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	59582	18.767	ug/l	96
30) 2-Butanone	7.483	43	162327	99.191	ug/l	94
31) 2,2-Dichloropropane	7.483	77	73967	22.735	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	71207	19.502	ug/l #	93
33) Carbon Tetrachloride	8.359	117	56321	19.007	ug/l	99
34) Benzene	8.606	78	199698	19.717	ug/l	95
35) Methacrylonitrile	7.777	41	38739	18.711	ug/l	96
36) 1,2-Dichloroethane	8.671	62	62406	18.355	ug/l	100
37) Trichloroethene	9.353	130	41919	16.898	ug/l	96
38) Methylcyclohexane	9.600	83	73622	19.196	ug/l	94
39) 1,2-Dichloropropane	9.624	63	52114	20.053	ug/l	97
40) Dibromomethane	9.712	93	33172	19.869	ug/l	88
41) Bromodichloromethane	9.888	83	66186	18.548	ug/l #	97
42) Vinyl Acetate	6.606	43	679192	97.508	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	71671	20.087	ug/l #	88
44) Isopropyl Acetate	8.688	43	123021	19.420	ug/l	90
45) 1,4-Dioxane	9.700	88	20700	407.470	ug/l	97
46) Methyl methacrylate	9.682	41	56669	19.581	ug/l	84
47) n-amyl Acetate	12.494	43	109929	19.240	ug/l #	86
48) t-1,3-Dichloropropene	10.841	75	73699	19.045	ug/l	92
49) cis-1,3-Dichloropropene	10.312	75	78260	19.128	ug/l #	77
50) 1,1,2-Trichloroethane	11.018	97	45827	20.232	ug/l	96
51) Ethyl methacrylate	10.876	69	83981	19.645	ug/l	76
52) 1,3-Dichloropropane	11.165	76	81072	19.482	ug/l	99
53) Dibromochloromethane	11.365	129	45758	18.568	ug/l	99
54) 1,2-Dibromoethane	11.471	107	45172	19.997	ug/l	94
55) 2-Chloroethyl vinyl ether	10.165	63	226809	106.100	ug/l	96
56) Bromoform	12.582	173	25327	16.886	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	353840	99.419	ug/l #	89
59) 2-Hexanone	11.194	43	265646	100.667	ug/l #	89
61) Tetrachloroethene	11.106	164	36440	17.916	ug/l	89
62) Toluene	10.629	91	206742	20.046	ug/l	100
64) Chlorobenzene	11.894	112	123656	19.603	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	39257	19.014	ug/l	95
66) Ethyl Benzene	11.965	91	223392	19.761	ug/l	98
67) m/p-Xylenes	12.076	106	167478	39.957	ug/l	100
68) o-Xylene	12.400	106	82379	19.865	ug/l	99
69) Styrene	12.412	104	137408	19.739	ug/l	99
70) Isopropylbenzene	12.700	105	205584	19.520	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.941	83	63938	21.096	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	57534m	20.305	ug/l	
73) Bromobenzene	12.982	156	42416	18.814	ug/l	82
74) n-propylbenzene	13.035	91	254130	20.452	ug/l	98
75) 2-Chlorotoluene	13.129	91	147089	19.135	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	168451	19.760	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	27063	21.459	ug/l	89
78) 4-Chlorotoluene	13.223	91	148353	19.700	ug/l	98
79) tert-butylbenzene	13.441	119	142267	19.382	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	166613	19.457	ug/l	97
81) sec-Butylbenzene	13.617	105	210875	20.495	ug/l	98
82) p-Isopropyltoluene	13.729	119	162439	19.966	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	78682	19.382	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	79725	19.539	ug/l	99
85) n-Butylbenzene	14.059	91	150569	20.260	ug/l	96
86) Hexachloroethane	14.335	117	29632	18.266	ug/l	79
87) 1,2-Dichlorobenzene	14.106	146	78446	19.402	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12489	18.363	ug/l	86
89) 1,2,4-Trichlorobenzene	15.847	180	39430	17.711	ug/l	98
90) Hexachlorobutadiene	15.500	225	13182	15.987	ug/l	86
91) Naphthalene	15.641	128	155852	18.415	ug/l	100
92) 1,2,3-Trichlorobenzene	15.847	180	39430	17.711	ug/l	98

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

