Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
Data File : VN078721.D
Acq On : 01 Aug 2023 17:00
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 02 04:26:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 02 04:20:43 2023
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080123

Manual Integrations APPROVED

Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.824	128	106162	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	590670	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	517429	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	237546	29.851	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.500%			
60) 4-Bromofluorobenzene	12.853	95	223562	28.830	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.100%			
63) Toluene-d8	10.571	98	745558	29.168	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.233%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	125978	18.813	ug/l	98
3) Chloromethane	2.377	50	177432	21.526	ug/l	98
4) Vinyl Chloride	2.518	62	235730	21.044	ug/l	93
5) Bromomethane	2.965	94	156561	18.697	ug/l	98
6) Chloroethane	3.130	64	145641	19.963	ug/l	99
7) Trichlorofluoromethane	3.506	101	347011	30.199	ug/l	96
8) Diethyl Ether	3.971	74	73846	19.685	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	122879	19.922	ug/l	95
10) 1,1-Dichloroethene	4.353	96	117044	19.789	ug/l	95
11) Methyl Iodide	4.600	142	164733	19.815	ug/l	95
12) Methyl Acetate	5.036	43	192294	20.045	ug/l	99
13) Acrolein	4.189	56	107033	104.771	ug/l	96
14) Acrylonitrile	5.736	53	278487	99.135	ug/l	98
15) Acetone	4.442	58	83064	102.055	ug/l	99
16) Carbon Disulfide	4.718	76	314650	18.833	ug/l	98
17) Allyl chloride	5.042	41	147790	18.301	ug/l	97
18) Methylene Chloride	5.289	84	143536	20.228	ug/l	93
19) trans-1,2-Dichloroethene	5.800	96	129006	18.865	ug/l	89
20) Diisopropyl ether	6.683	45	361511	19.882	ug/l	98
21) 1,1-Dichloroethane	6.583	63	242468	20.138	ug/l	97
22) cis-1,2-Dichloroethene	7.500	96	152719	19.886	ug/l	99
23) tert-Butyl Alcohol	5.536	59	111427	97.070	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	391216m	19.671	ug/l	
25) Chloroform	7.977	83	263169	20.645	ug/l	99
26) Cyclohexane	8.265	56	183278	20.665	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	185894	21.389	ug/l	99
30) 2-Butanone	7.494	43	379002	110.312	ug/l #	97
31) 2,2-Dichloropropane	7.500	77	213395	21.397	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	243470	22.141	ug/l	97
33) Carbon Tetrachloride	8.365	117	214813	21.995	ug/l	90
34) Benzene	8.612	78	567065	21.720	ug/l	99
35) Methacrylonitrile	7.783	41	83116	22.030	ug/l	81
36) 1,2-Dichloroethane	8.683	62	199595	21.768	ug/l	99
37) Trichloroethene	9.359	130	148717	20.299	ug/l	99
38) Methylcyclohexane	9.612	83	181935	20.373	ug/l	98
39) 1,2-Dichloropropane	9.630	63	140555	20.083	ug/l	96
40) Dibromomethane	9.718	93	105130	21.703	ug/l	97
41) Bromodichloromethane	9.894	83	215572	22.260	ug/l #	99
42) Vinyl Acetate	6.618	43	1139252	103.138	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	137831	19.405	ug/l	96
44) Isopropyl Acetate	8.694	43	273685	21.962	ug/l	97
45) 1,4-Dioxane	9.700	88	51569	449.853	ug/l	100
46) Methyl methacrylate	9.688	41	126395	22.148	ug/l	96
47) n-amyl Acetate	12.494	43	237127	24.706	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	209265	20.246	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	225243	20.517	ug/l	95
50) 1,1,2-Trichloroethane	11.024	97	138467	20.193	ug/l	97
51) Ethyl methacrylate	10.882	69	196415	20.922	ug/l	96
52) 1,3-Dichloropropane	11.165	76	241041	19.558	ug/l	99
53) Dibromochloromethane	11.365	129	158809	20.501	ug/l	96
54) 1,2-Dibromoethane	11.476	107	143296	20.811	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	343570	114.850	ug/l	98
56) Bromoform	12.588	173	108428	21.392	ug/l	96
58) 4-Methyl-2-Pentanone	10.453	43	773246	99.840	ug/l	99
59) 2-Hexanone	11.200	43	563897	96.161	ug/l	97
61) Tetrachloroethene	11.112	164	128492	18.885	ug/l	95
62) Toluene	10.635	91	621871	19.980	ug/l	98
64) Chlorobenzene	11.894	112	369216	20.319	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	147269	20.550	ug/l	99
66) Ethyl Benzene	11.971	91	635784	20.269	ug/l	99
67) m/p-Xylenes	12.076	106	488562	40.775	ug/l	99
68) o-Xylene	12.406	106	249541	20.468	ug/l	98
69) Styrene	12.418	104	396323	20.203	ug/l	99
70) Isopropylbenzene	12.700	105	613786	20.351	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	193428	19.743	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	158407m	19.274	ug/l	
73) Bromobenzene	12.982	156	146579	19.828	ug/l	96
74) n-propylbenzene	13.041	91	648802	19.408	ug/l	98
75) 2-Chlorotoluene	13.129	91	416526	18.042	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	488272	18.132	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	55014	19.152	ug/l	91
78) 4-Chlorotoluene	13.229	91	385855	17.310	ug/l	99
79) tert-butylbenzene	13.441	119	415798	17.940	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	462919	17.999	ug/l	96
81) sec-Butylbenzene	13.623	105	521498	17.554	ug/l	98
82) p-Isopropyltoluene	13.735	119	417055	17.100	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	232945	17.769	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	223482	18.209	ug/l	98
85) n-Butylbenzene	14.059	91	304569	18.008	ug/l	99
86) Hexachloroethane	14.335	117	85637	19.271	ug/l	94
87) 1,2-Dichlorobenzene	14.112	146	240952	19.638	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.729	75	30110	18.097	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	62089	17.737	ug/l	97
90) Hexachlorobutadiene	15.506	225	52240	19.589	ug/l	98
91) Naphthalene	15.647	128	189984	17.915	ug/l	100
92) 1,2,3-Trichlorobenzene	15.847	180	74338	18.660	ug/l	96

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

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