Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042221\
Data File : VN066728.D
Acq On : 22 Apr 2021 20:33
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Manual Integrations APPROVED
MMDadoda
4/23/2021 1:16:03 PM

Quant Time: Apr 23 06:31:42 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042021W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Apr 21 16:55:39 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.111	128	48593	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.519	114	263194	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.348	117	239039	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.953	65	103606	29.59	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.63%				
60) 4-Bromofluorobenzene	12.346	95	109489	29.22	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.40%				
63) Toluene-d8	10.029	98	338548	30.78	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.835	85	43727	18.27	ug/l		99
3) Chloromethane	2.037	50	70430	18.92	ug/l		99
4) Vinyl Chloride	2.163	62	67608	19.06	ug/l		99
5) Bromomethane	2.522	94	43754	20.98	ug/l		97
6) Chloroethane	2.661	64	41354	19.10	ug/l		97
7) Trichlorofluoromethane	2.973	101	76729	19.42	ug/l		99
8) Diethyl Ether	3.356	74	33871	19.31	ug/l		92
9) 1,1,2-Trichlorotrifluo...	3.699	101	47766	19.06	ug/l		97
10) 1,1-Dichloroethene	3.678	96	48494	19.20	ug/l		89
11) Methyl Iodide	3.887	142	61444	16.07	ug/l		98
12) Methyl Acetate	4.255	43	66863	19.42	ug/l		100
13) Acrolein	3.549	56	45355	93.15	ug/l		92
14) Acrylonitrile	4.896	53	147058	97.20	ug/l		100
15) Acetone	3.753	58	36943	93.03	ug/l		81
16) Carbon Disulfide	3.986	76	143829	18.47	ug/l		100
17) Allyl chloride	4.249	41	94588	18.89	ug/l		89
18) Methylene Chloride	4.474	84	62124	19.22	ug/l		99
19) trans-1,2-Dichloroethene	4.955	96	54337	19.00	ug/l		97
20) Diisopropyl ether	5.864	45	201252	19.11	ug/l		98
21) 1,1-Dichloroethane	5.759	63	107362	18.97	ug/l		99
22) cis-1,2-Dichloroethene	6.741	96	63617	19.18	ug/l		98
23) tert-Butyl Alcohol	4.705	59	48311	93.81	ug/l	#	100
24) Methyl tert-Butyl Ether	4.957	73	170512	19.36	ug/l	#	73
25) Chloroform	7.293	83	103450	19.08	ug/l		96
26) Cyclohexane	7.578	56	89290	18.34	ug/l	#	97
29) 1,1-Dichloropropene	7.717	75	73894	17.83	ug/l		98
30) 2-Butanone	6.749	43	179761	89.85	ug/l		99
31) 2,2-Dichloropropane	6.733	77	81282	17.02	ug/l		98
32) 1,1,1-Trichloroethane	7.494	97	85527	18.28	ug/l		98
33) Carbon Tetrachloride	7.698	117	72553	18.36	ug/l		95
34) Benzene	7.969	78	245774	18.40	ug/l		97
35) Methacrylonitrile	7.087	41	37525	19.48	ug/l		97
36) 1,2-Dichloroethane	8.052	62	77936	17.77	ug/l		97
37) Trichloroethene	8.768	130	58827	18.53	ug/l		98
38) Methylcyclohexane	9.018	83	84971	17.20	ug/l		96
39) 1,2-Dichloropropane	9.053	63	67199	18.43	ug/l		99
40) Dibromomethane	9.144	93	40402	18.48	ug/l		99
41) Bromodichloromethane	9.337	83	82344	17.94	ug/l		96
42) Vinyl Acetate	5.807	43	811108	90.45	ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.843	43	71834	16.33	ug/l	#	84
44) Isopropyl Acetate	8.095	43	131673	17.94	ug/l		93
45) 1,4-Dioxane	9.136	88	17925	335.69	ug/l		98
46) Methyl methacrylate	9.138	41	58148	17.34	ug/l		89
47) n-amyl Acetate	12.032	43	20387	5.03	ug/l		95
48) t-1,3-Dichloropropene	10.324	75	87640	17.48	ug/l		97
49) cis-1,3-Dichloropropene	9.777	75	100696	18.17	ug/l	#	88
50) 1,1,2-Trichloroethane	10.504	97	60309	18.76	ug/l		98
51) Ethyl methacrylate	10.372	69	80329	17.70	ug/l		90
52) 1,3-Dichloropropane	10.646	76	100306	18.33	ug/l		98
53) Dibromochloromethane	10.841	129	63210	18.19	ug/l		99
54) 1,2-Dibromoethane	10.946	107	59556	18.48	ug/l		100
55) 2-Chloroethyl vinyl ether	9.632	63	102407	147.52	ug/l		99
56) Bromoform	12.073	173	44214	17.64	ug/l	#	98
58) 4-Methyl-2-Pentanone	9.922	43	389949	95.78	ug/l		98
59) 2-Hexanone	10.694	43	241146	92.14	ug/l		98
61) Tetrachloroethene	10.571	164	50514	19.14	ug/l		98
62) Toluene	10.093	91	257166	18.95	ug/l		99
64) Chlorobenzene	11.375	112	154034	18.98	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.450	131	59156	19.42	ug/l		99
66) Ethyl Benzene	11.453	91	266721	18.40	ug/l		98
67) m/p-Xylenes	11.563	106	202836	37.27	ug/l		98
68) o-Xylene	11.890	106	97991	18.57	ug/l		99
69) Styrene	11.909	104	152086	17.92	ug/l		98
70) Isopropylbenzene	12.193	105	256245	18.59	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.448	83	92795	20.38	ug/l		97
72) 1,2,3-Trichloropropane	12.499	75	75636m	19.09	ug/l		
73) Bromobenzene	12.469	156	67770	19.43	ug/l		96
74) n-propylbenzene	12.534	91	287639	17.97	ug/l		99
75) 2-Chlorotoluene	12.617	91	182094	19.01	ug/l		99
76) 1,3,5-Trimethylbenzene	12.679	105	218897	18.77	ug/l		100
77) t-1,4-Dichloro-2-butene	12.250	75	18610	14.87	ug/l		90
78) 4-Chlorotoluene	12.719	91	173658	18.49	ug/l		98
79) tert-butylbenzene	12.936	119	183394	18.79	ug/l		99
80) 1,2,4-Trimethylbenzene	12.984	105	210994	18.87	ug/l		100
81) sec-Butylbenzene	13.116	105	241402	18.58	ug/l		100
82) p-Isopropyltoluene	13.234	119	206063	18.54	ug/l		98
83) 1,3-Dichlorobenzene	13.228	146	108808	18.79	ug/l		100
84) 1,4-Dichlorobenzene	13.312	146	105091	18.80	ug/l		98
85) n-Butylbenzene	13.561	91	169650	18.36	ug/l		98
86) Hexachloroethane	13.816	117	43070	18.41	ug/l		97
87) 1,2-Dichlorobenzene	13.599	146	112542	19.79	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.221	75	14594	18.66	ug/l		99
89) 1,2,4-Trichlorobenzene	14.854	180	69688	21.20	ug/l		99
90) Hexachlorobutadiene	14.948	225	34452	18.71	ug/l		99
91) Naphthalene	15.074	128	191045	24.17	ug/l		100
92) 1,2,3-Trichlorobenzene	15.251	180	69468	22.35	ug/l		98

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

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