Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032521\
Data File : VN066322.D
Acq On : 25 Mar 2021 9:59
Operator : JC/MD
Sample : VSTDCCC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED
SAM
3/29/2021 5:11:24 PM

Quant Time: Mar 26 04:37:26 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Mar 25 05:52:50 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.102	128	77605	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.512	114	416533	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.347	117	361928	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	7.947	65	177054	29.68	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.93%				
60) 4-Bromofluorobenzene	12.345	95	170608	30.20	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.67%				
63) Toluene-d8	10.028	98	512271	30.16	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.53%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.818	85	82756	19.07	ug/l		97
3) Chloromethane	2.014	50	105991	19.42	ug/l		99
4) Vinyl Chloride	2.145	62	111195	19.39	ug/l		98
5) Bromomethane	2.521	94	77283	19.04	ug/l		98
6) Chloroethane	2.652	64	70711	19.25	ug/l		98
7) Trichlorofluoromethane	2.961	101	160750	19.43	ug/l		100
8) Diethyl Ether	3.342	74	54960	19.67	ug/l		99
9) 1,1,2-Trichlorotrifluo...	3.685	101	79503	19.64	ug/l	#	42
10) 1,1-Dichloroethene	3.663	96	76308	19.04	ug/l		94
11) Methyl Iodide	3.873	142	112775	19.56	ug/l		100
12) Methyl Acetate	4.235	43	123774	19.90	ug/l		100
13) Acrolein	3.532	56	35922	94.67	ug/l		97
14) Acrylonitrile	4.873	53	250258	97.53	ug/l		99
15) Acetone	3.733	58	69472	92.98	ug/l		98
16) Carbon Disulfide	3.972	76	206470	18.60	ug/l		99
17) Allyl chloride	4.232	41	148437	20.50	ug/l		99
18) Methylene Chloride	4.455	84	91394	19.09	ug/l		98
19) trans-1,2-Dichloroethene	4.937	96	84059	19.07	ug/l		98
20) Diisopropyl ether	5.847	45	309995	19.51	ug/l		95
21) 1,1-Dichloroethane	5.745	63	169037	19.65	ug/l		100
22) cis-1,2-Dichloroethene	6.729	96	100764	19.10	ug/l		99
23) tert-Butyl Alcohol	4.677	59	106239	100.85	ug/l		100
24) Methyl tert-Butyl Ether	4.932	73	302760m	19.80	ug/l		
25) Chloroform	7.284	83	169187	19.47	ug/l		94
26) Cyclohexane	7.571	56	142736	18.71	ug/l	#	99
29) 1,1-Dichloropropene	7.708	75	120213	19.30	ug/l		97
30) 2-Butanone	6.734	43	360164	98.65	ug/l		100
31) 2,2-Dichloropropane	6.724	77	151015	19.57	ug/l		99
32) 1,1,1-Trichloroethane	7.483	97	146552	19.41	ug/l		99
33) Carbon Tetrachloride	7.692	117	123354	19.35	ug/l		93
34) Benzene	7.960	78	376430	19.83	ug/l		98
35) Methacrylonitrile	7.078	41	55165	17.86	ug/l		98
36) 1,2-Dichloroethane	8.046	62	137138	19.72	ug/l		99
37) Trichloroethene	8.765	130	99947	20.19	ug/l		99
38) Methylcyclohexane	9.011	83	148781	19.30	ug/l		99
39) 1,2-Dichloropropane	9.049	63	101156	19.69	ug/l		100
40) Dibromomethane	9.140	93	67400	20.40	ug/l		98
41) Bromodichloromethane	9.336	83	138047	19.74	ug/l		96
42) Vinyl Acetate	5.790	43	1346303	97.84	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	6.831	43	139524	19.84	ug/l	#	100
44) Isopropyl Acetate	8.086	43	246580	19.64	ug/l	#	100
45) 1,4-Dioxane	9.135	88	34141	426.25	ug/l		97
46) Methyl methacrylate	9.132	41	111020	18.93	ug/l		98
47) n-amyl Acetate	12.020	43	100797	17.64	ug/l		99
48) t-1,3-Dichloropropene	10.320	75	149114	19.63	ug/l		99
49) cis-1,3-Dichloropropene	9.773	75	161685	19.80	ug/l		99
50) 1,1,2-Trichloroethane	10.500	97	93141	19.70	ug/l		97
51) Ethyl methacrylate	10.368	69	144129	19.47	ug/l		98
52) 1,3-Dichloropropane	10.645	76	155452	19.72	ug/l		100
53) Dibromochloromethane	10.840	129	104376	19.65	ug/l		99
54) 1,2-Dibromoethane	10.945	107	96110	19.75	ug/l		100
55) 2-Chloroethyl vinyl ether	9.631	63	86035	78.19	ug/l		98
56) Bromoform	12.071	173	77224	19.81	ug/l	#	99
58) 4-Methyl-2-Pentanone	9.918	43	724212	99.87	ug/l		100
59) 2-Hexanone	10.690	43	490039	98.21	ug/l		99
61) Tetrachloroethene	10.570	164	99802	20.03	ug/l		96
62) Toluene	10.092	91	398262	19.88	ug/l		100
64) Chlorobenzene	11.374	112	234466	19.92	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.449	131	91300	19.77	ug/l		97
66) Ethyl Benzene	11.455	91	425498	19.71	ug/l		99
67) m/p-Xylenes	11.565	106	318895	39.75	ug/l		98
68) o-Xylene	11.889	106	158226	19.99	ug/l		99
69) Styrene	11.908	104	250564	19.75	ug/l		99
70) Isopropylbenzene	12.192	105	410498	19.71	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.447	83	132803	19.91	ug/l		98
72) 1,2,3-Trichloropropane	12.495	75	134041m	20.81	ug/l		
73) Bromobenzene	12.468	156	101852	19.84	ug/l		98
74) n-propylbenzene	12.535	91	459146	19.94	ug/l		100
75) 2-Chlorotoluene	12.616	91	272535	19.55	ug/l		99
76) 1,3,5-Trimethylbenzene	12.675	105	346164	20.19	ug/l		98
77) t-1,4-Dichloro-2-butene	12.246	75	41968	20.09	ug/l		96
78) 4-Chlorotoluene	12.715	91	271650	19.86	ug/l		99
79) tert-butylbenzene	12.935	119	293873	19.72	ug/l		98
80) 1,2,4-Trimethylbenzene	12.983	105	331754	19.95	ug/l		100
81) sec-Butylbenzene	13.115	105	381517	20.05	ug/l		99
82) p-Isopropyltoluene	13.233	119	337305	20.13	ug/l		99
83) 1,3-Dichlorobenzene	13.227	146	172770	20.52	ug/l		100
84) 1,4-Dichlorobenzene	13.308	146	170773	20.84	ug/l		98
85) n-Butylbenzene	13.557	91	271632	19.87	ug/l		98
86) Hexachloroethane	13.815	117	63110	20.40	ug/l		98
87) 1,2-Dichlorobenzene	13.597	146	174758	20.98	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.214	75	28048	20.61	ug/l		93
89) 1,2,4-Trichlorobenzene	14.850	180	109606	20.62	ug/l		98
90) Hexachlorobutadiene	14.947	225	59773	20.75	ug/l		99
91) Naphthalene	15.070	128	330745	20.44	ug/l		100
92) 1,2,3-Trichlorobenzene	15.250	180	104709	20.11	ug/l		98

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

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