Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021021\
Data File : VL036316.D
Acq On : 10 Feb 2021 12:42
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 13:58:25 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1508146	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3344395	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3143752	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2461501	9.46	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	261860	1.295	ppbv	94
3) Chlorodifluoromethane	2.97	51	207843	1.122	ppbv	97
4) Chloromethane	3.12	50	103268	1.128	ppbv	90
5) Vinyl Chloride	3.24	62	89122	1.029	ppbv	94
6) Bromomethane	3.45	94	53357m	1.102	ppbv	
7) Chloroethane	3.54	64	36784m	1.233	ppbv	
8) Dichlorotetrafluoroethane	3.17	85	234020	1.195	ppbv	100
9) Propene	2.99	41	84460	0.958	ppbv	97
10) Heptane	8.10	43	222801	1.018	ppbv	100
11) Trichlorofluoromethane	3.93	101	249991	1.216	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	157659m	1.265	ppbv	
13) Ethanol	3.59	45	15861m	1.145	ppbv	
14) Bromoethene	3.72	108	61096	1.077	ppbv	98
15) Acetone	3.84	43	220829m	1.196	ppbv	
16) 1,3-Butadiene	3.31	39	93928	1.044	ppbv	100
17) tert-Butyl alcohol	4.28	59	164764m	1.081	ppbv	
18) 1,1-Dichloroethene	4.27	96	69884m	1.210	ppbv	
19) Isopropyl Alcohol	3.95	45	115352m	1.036	ppbv	
20) Methylene Chloride	4.32	84	68202m	1.157	ppbv	
21) Allyl Chloride	4.39	41	112781m	1.122	ppbv	
22) trans-1,2-Dichloroethene	4.87	96	63766	1.195	ppbv	95
23) Vinyl Acetate	5.05	43	236381m	1.056	ppbv	
24) 1,1-Dichloroethane	4.99	63	174934	1.079	ppbv	98
25) Ethyl Acetate	5.66	43	384575	1.037	ppbv	99
26) Hexane	5.67	57	156467	1.013	ppbv	95
27) Carbon Disulfide	4.54	76	143419m	1.162	ppbv	
28) Methyl tert-Butyl Ether	5.02	73	207910m	0.996	ppbv	
29) Chloroform	5.73	83	264494m	1.196	ppbv	
30) Cyclohexane	7.11	84	132315m	1.121	ppbv	
31) cis-1,2-Dichloroethene	5.53	61	153655m	1.041	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	244143m	1.142	ppbv	
34) 2-Butanone	5.23	43	244899m	0.994	ppbv	
35) Carbon Tetrachloride	6.99	117	235995m	1.117	ppbv	
36) Benzene	6.87	78	314556	1.026	ppbv #	93
37) 1,2-Dichloroethane	6.28	62	186420	1.011	ppbv	98
38) Trichloroethene	7.81	130	108176	0.953	ppbv	94
39) 1,2-Dichloropropane	7.59	63	126864	1.020	ppbv	97
40) 1,4-Dioxane	7.84	88	44154m	0.981	ppbv	
41) Tetrahydrofuran	6.04	42	131724m	0.925	ppbv	
42) Bromodichloromethane	7.76	83	254461	1.098	ppbv	94
43) Methyl Methacrylate	7.99	69	123688m	0.950	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	592972	1.054 ppbv		100
45) t-1,3-Dichloropropene	9.25	75	112073m	0.906 ppbv		
46) cis-1,3-Dichloropropene	8.68	75	143593	0.903 ppbv		89
47) 1,1,2-Trichloroethane	9.46	97	132995m	1.117 ppbv		
48) Dibromochloromethane	10.28	129	186083m	1.069 ppbv		
49) Bromoform	13.02	173	147508m	1.015 ppbv		
50) 4-Methyl-2-Pentanone	8.73	43	359795m	0.980 ppbv		
51) 2-Hexanone	10.13	43	266199m	0.919 ppbv		
52) Tetrachloroethene	11.20	164	108901	0.964 ppbv	#	86
53) Toluene	9.78	91	332372	0.970 ppbv		99
54) 1,2-Dibromoethane	10.59	107	184809m	1.047 ppbv		
56) 1,1,1,2-Tetrachloroethane	12.10	131	157405	1.122 ppbv	#	1
57) Chlorobenzene	12.12	112	272037m	1.103 ppbv		
58) Ethyl Benzene	12.69	91	475389m	1.019 ppbv		
59) m/p-Xylene	12.97	91	851148m	2.123 ppbv		
60) o-Xylene	13.67	91	414970	1.074 ppbv		100
61) Styrene	13.51	104	226304	0.927 ppbv		99
62) Isopropylbenzene	14.65	105	620500	1.080 ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.65	83	299214	1.040 ppbv		97
64) n-propylbenzene	15.54	120	145999	1.034 ppbv		80
65) tert-Butylbenzene	16.73	119	546645	1.123 ppbv		98
66) Benzyl Chloride	16.97	91	115792m	0.931 ppbv		
67) sec-Butylbenzene	17.27	105	760414	1.052 ppbv		99
69) p-Isopropyltoluene	17.63	119	569845	0.994 ppbv		97
70) n-Butylbenzene	18.53	91	625463	1.024 ppbv		98
71) 2-Chlorotoluene	15.43	91	457906	1.014 ppbv		100
72) 4-Ethyltoluene	15.82	105	447424m	1.026 ppbv		
73) 1,3,5-Trimethylbenzene	15.98	105	443015m	1.066 ppbv		
74) 1,2,4-Trimethylbenzene	16.73	105	454099	1.065 ppbv	#	88
75) 1,3-Dichlorobenzene	16.97	146	232085	1.015 ppbv		96
76) 1,4-Dichlorobenzene	17.11	146	246692m	1.092 ppbv		
77) 1,2-Dichlorobenzene	17.79	146	244629m	1.095 ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	210896m	1.181 ppbv		
79) Naphthalene	22.18	128	222337m	0.892 ppbv		
80) Naphthalene,2-methyl-	25.01	142	30633m	0.576 ppbv		
81) 1,2,4-Trichlorobenzene	21.91	180	155830m	1.071 ppbv		

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

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