Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081221\
Data File : VL037410.D
Acq On : 12 Aug 2021 11:41
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 12 12:35:38 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 1
QLast Update : Thu Aug 12 11:34:23 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1374068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4100178	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3831634	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2719162	9.52	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	403040	1.623	ppbv	96
3) Chlorodifluoromethane	2.99	51	559101	2.188	ppbv	99
4) Chloromethane	3.14	50	205369	2.183	ppbv	93
5) Vinyl Chloride	3.26	62	193989	2.018	ppbv	100
6) Bromomethane	3.47	94	112037	2.126	ppbv	94
7) Chloroethane	3.56	64	75071	2.281	ppbv	89
8) Dichlorotetrafluoroethane	3.19	85	468219	2.161	ppbv	96
9) Propene	3.01	41	190006	2.184	ppbv	96
10) Heptane	8.11	43	476503	2.316	ppbv	98
11) Trichlorofluoromethane	3.95	101	452616	2.168	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	319630	2.151	ppbv	93
13) Ethanol	3.62	45	19014m	1.811	ppbv	
14) Bromoethene	3.74	108	148262	2.181	ppbv	97
15) Acetone	3.85	43	358032m	2.735	ppbv	
16) 1,3-Butadiene	3.33	39	201893m	2.195	ppbv	
17) tert-Butyl alcohol	4.30	59	267183m	2.281	ppbv	
18) 1,1-Dichloroethene	4.29	96	153269m	2.276	ppbv	
19) Isopropyl Alcohol	3.98	45	172978m	2.295	ppbv	
20) Methylene Chloride	4.35	84	173636m	2.442	ppbv	
21) Allyl Chloride	4.41	41	245212m	2.388	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	134397	2.112	ppbv	99
23) Vinyl Acetate	5.07	43	485086	2.305	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	352033	2.127	ppbv	99
25) Ethyl Acetate	5.68	43	733306	2.188	ppbv	99
26) Hexane	5.68	57	379352	2.235	ppbv	98
27) Carbon Disulfide	4.55	76	301395	2.119	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	405381	2.236	ppbv	99
29) Chloroform	5.75	83	517030	2.124	ppbv	97
30) Cyclohexane	7.12	84	312598m	2.225	ppbv	
31) cis-1,2-Dichloroethene	5.55	61	322004	2.117	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	501567	2.125	ppbv	99
34) 2-Butanone	5.24	43	373934m	2.400	ppbv	
35) Carbon Tetrachloride	7.01	117	515073	2.253	ppbv	98
36) Benzene	6.89	78	739296	2.272	ppbv	99
37) 1,2-Dichloroethane	6.30	62	379417m	2.280	ppbv	
38) Trichloroethene	7.83	130	285962	2.064	ppbv	92
39) 1,2-Dichloropropane	7.61	63	276393	2.324	ppbv	95
40) 1,4-Dioxane	7.85	88	73104m	2.306	ppbv	
41) Tetrahydrofuran	6.06	42	170447m	2.327	ppbv	
42) Bromodichloromethane	7.79	83	545413	2.318	ppbv	97
43) Methyl Methacrylate	8.01	69	251948m	2.225	ppbv	

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1266183	2.333	ppbv		99
45) t-1,3-Dichloropropene	9.28	75	170407	2.004	ppbv		100
46) cis-1,3-Dichloropropene	8.70	75	260386	2.264	ppbv		97
47) 1,1,2-Trichloroethane	9.47	97	300714m	2.243	ppbv		
48) Dibromochloromethane	10.30	129	445440	2.253	ppbv		98
49) Bromoform	13.03	173	340995	2.195	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	460615m	2.263	ppbv		
51) 2-Hexanone	10.15	43	218695m	2.425	ppbv		
52) Tetrachloroethene	11.21	164	284192m	2.143	ppbv		
53) Toluene	9.80	91	840417	2.227	ppbv		99
54) 1,2-Dibromoethane	10.60	107	411935	2.171	ppbv		88
56) 1,1,1,2-Tetrachloroethane	12.11	131	322034	2.174	ppbv	#	1
57) Chlorobenzene	12.14	112	636942	2.154	ppbv		99
58) Ethyl Benzene	12.70	91	1116787	2.184	ppbv		98
59) m/p-Xylene	12.99	91	1920223m	4.361	ppbv		
60) o-Xylene	13.68	91	899213	2.203	ppbv		96
61) Styrene	13.52	104	455126	2.152	ppbv		99
62) Isopropylbenzene	14.66	105	1277064	2.221	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.67	83	635008	2.057	ppbv		100
64) n-propylbenzene	15.55	120	316189m	2.167	ppbv		
65) tert-Butylbenzene	16.73	119	1174755	2.265	ppbv		98
66) Benzyl Chloride	16.98	91	46674m	2.122	ppbv		
67) sec-Butylbenzene	17.28	105	1622039	2.275	ppbv		97
69) p-Isopropyltoluene	17.64	119	1322795	2.297	ppbv		98
70) n-Butylbenzene	18.54	91	1210571	2.237	ppbv		99
71) 2-Chlorotoluene	15.44	91	885762	2.110	ppbv		98
72) 4-Ethyltoluene	15.83	105	1024150	2.145	ppbv		98
73) 1,3,5-Trimethylbenzene	15.99	105	944791	2.133	ppbv		100
74) 1,2,4-Trimethylbenzene	16.75	105	1019517	2.267	ppbv	#	89
75) 1,3-Dichlorobenzene	16.99	146	592843	2.169	ppbv		97
76) 1,4-Dichlorobenzene	17.13	146	605962m	2.258	ppbv		
77) 1,2-Dichlorobenzene	17.81	146	580314m	2.203	ppbv		
78) Hexachloro-1,3-Butadiene	23.37	225	471918m	2.235	ppbv		
79) Naphthalene	22.19	128	480453m	1.961	ppbv		
80) Naphthalene,2-methyl-	24.97	142	63145m	1.311	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	342085m	2.036	ppbv		

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

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