Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080421\
Data File : VL037316.D
Acq On : 4 Aug 2021 19:21
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
8/5/2021 1:39:57 PM

Quant Time: Aug 04 22:40:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 0
QLast Update : Wed Aug 04 22:14:21 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1228955	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3926692	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	3500153	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2433337	9.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	168117	0.720	ppbv		93
3) Chlorodifluoromethane	2.98	51	144339	0.573	ppbv		100
4) Chloromethane	3.13	50	47298	0.530	ppbv		94
5) Vinyl Chloride	3.25	62	47455	0.487	ppbv		98
6) Bromomethane	3.47	94	31004	0.604	ppbv		99
7) Chloroethane	3.55	64	17534m	0.582	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	135460	0.594	ppbv		99
9) Propene	3.00	41	53755	0.601	ppbv		99
10) Heptane	8.11	43	110395	0.518	ppbv		99
11) Trichlorofluoromethane	3.94	101	130517	0.570	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	90593	0.541	ppbv		92
13) Ethanol	3.63	45	10824m	1.225	ppbv		
14) Bromoethene	3.74	108	38840	0.526	ppbv	#	88
15) Acetone	3.87	43	74866	0.552	ppbv	#	62
16) 1,3-Butadiene	3.32	39	46443	0.537	ppbv		90
17) tert-Butyl alcohol	4.34	59	74330m	0.701	ppbv		
18) 1,1-Dichloroethene	4.28	96	41654	0.550	ppbv		95
19) Isopropyl Alcohol	4.01	45	42991m	0.630	ppbv		
20) Methylene Chloride	4.34	84	78571	0.702	ppbv		96
21) Allyl Chloride	4.40	41	62340m	0.675	ppbv		
22) trans-1,2-Dichloroethene	4.88	96	34587	0.494	ppbv		93
23) Vinyl Acetate	5.09	43	105521m	0.521	ppbv		
24) 1,1-Dichloroethane	5.01	63	96177	0.568	ppbv		97
25) Ethyl Acetate	5.68	43	197037m	0.631	ppbv		
26) Hexane	5.68	57	115072	0.583	ppbv		89
27) Carbon Disulfide	4.55	76	71943	0.454	ppbv	#	86
28) Methyl tert-Butyl Ether	5.05	73	110444	0.556	ppbv		97
29) Chloroform	5.74	83	139109	0.557	ppbv		90
30) Cyclohexane	7.12	84	85029m	0.627	ppbv		
31) cis-1,2-Dichloroethene	5.54	61	76489m	0.556	ppbv		
32) 1,1,1-Trichloroethane	6.50	97	121765	0.549	ppbv		97
34) 2-Butanone	5.26	43	69264	0.501	ppbv	#	83
35) Carbon Tetrachloride	7.01	117	120716	0.498	ppbv		96
36) Benzene	6.88	78	195316	0.548	ppbv		99
37) 1,2-Dichloroethane	6.30	62	86761	0.521	ppbv	#	95
38) Trichloroethene	7.83	130	83202	0.542	ppbv		96
39) 1,2-Dichloropropane	7.60	63	73904m	0.641	ppbv		
40) 1,4-Dioxane	7.88	88	23623m	1.336	ppbv		
41) Tetrahydrofuran	6.08	42	37489m	0.646	ppbv		
42) Bromodichloromethane	7.78	83	119402	0.479	ppbv		94
43) Methyl Methacrylate	8.02	69	62945m	0.571	ppbv		

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QLast Update : Wed Aug 04 22:14:21 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	329848	0.559	ppbv		100
45) t-1,3-Dichloropropene	9.27	75	37282m	0.418	ppbv		
46) cis-1,3-Dichloropropene	8.70	75	63199	0.458	ppbv		93
47) 1,1,2-Trichloroethane	9.47	97	75517	0.603	ppbv		95
48) Dibromochloromethane	10.29	129	94855	0.446	ppbv		100
49) Bromoform	13.03	173	65790	0.402	ppbv		100
50) 4-Methyl-2-Pentanone	8.77	43	101855m	0.512	ppbv		
51) 2-Hexanone	10.18	43	37776m	0.568	ppbv		
52) Tetrachloroethene	11.21	164	73951	0.575	ppbv		97
53) Toluene	9.80	91	228043	0.541	ppbv		98
54) 1,2-Dibromoethane	10.60	107	98726m	0.541	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.11	131	82361	0.538	ppbv	#	1
57) Chlorobenzene	12.13	112	169113	0.569	ppbv	#	94
58) Ethyl Benzene	12.70	91	288878	0.560	ppbv		96
59) m/p-Xylene	12.98	91	465422m	1.645	ppbv		
60) o-Xylene	13.68	91	217516	0.545	ppbv		97
61) Styrene	13.52	104	110445	0.505	ppbv		98
62) Isopropylbenzene	14.65	105	325531	0.637	ppbv		95
63) 1,1,2,2-Tetrachloroethane	13.67	83	148154m	0.623	ppbv		
64) n-propylbenzene	15.55	120	79808	0.528	ppbv		83
65) tert-Butylbenzene	16.73	119	293261m	0.610	ppbv		
66) Benzyl Chloride	16.98	91	10670m	0.109	ppbv		
67) sec-Butylbenzene	17.28	105	397667	0.620	ppbv		100
69) p-Isopropyltoluene	17.64	119	316993	0.527	ppbv		97
70) n-Butylbenzene	18.55	91	281230	0.512	ppbv		99
71) 2-Chlorotoluene	15.44	91	223767	0.553	ppbv		98
72) 4-Ethyltoluene	15.82	105	250205	0.524	ppbv		97
73) 1,3,5-Trimethylbenzene	15.98	105	228448	0.530	ppbv		91
74) 1,2,4-Trimethylbenzene	16.75	105	239638	0.521	ppbv		95
75) 1,3-Dichlorobenzene	16.98	146	149535	0.527	ppbv		96
76) 1,4-Dichlorobenzene	17.12	146	158648m	0.581	ppbv		
77) 1,2-Dichlorobenzene	17.81	146	144041m	0.532	ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	147244m	0.688	ppbv		
79) Naphthalene	22.19	128	155709	0.397	ppbv		98
80) Naphthalene,2-methyl-	24.97	142	9757m	0.158	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	105590	0.520	ppbv		92

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

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