Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011321\
Data File : VL036211.D
Acq On : 13 Jan 2021 3:16
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 14 15:59:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL011321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 1
QLast Update : Wed Jan 13 05:46:16 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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1/19/2021 4:35:01 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1571147	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3429513	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3319142	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2670780	10.03	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	400376	2.170	ppbv		99
3) Chlorodifluoromethane	2.98	51	400469	2.228	ppbv		99
4) Chloromethane	3.13	50	200380	2.265	ppbv	#	86
5) Vinyl Chloride	3.25	62	189540	1.944	ppbv		91
6) Bromomethane	3.47	94	106762m	2.140	ppbv		
7) Chloroethane	3.55	64	62644	1.908	ppbv		96
8) Dichlorotetrafluoroethane	3.18	85	434909m	2.168	ppbv		
9) Propene	3.00	41	192282	2.156	ppbv		98
10) Heptane	8.11	43	508292	2.234	ppbv		98
11) Trichlorofluoromethane	3.94	101	453070	2.142	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	276087	1.955	ppbv		97
13) Ethanol	3.60	45	32030m	2.593	ppbv		
14) Bromoethene	3.73	108	128587m	2.197	ppbv		
15) Acetone	3.85	43	420239	2.260	ppbv		92
16) 1,3-Butadiene	3.32	39	188629	2.010	ppbv		99
17) tert-Butyl alcohol	4.29	59	363408m	2.076	ppbv		
18) 1,1-Dichloroethene	4.29	96	131403m	2.095	ppbv		
19) Isopropyl Alcohol	3.97	45	255972m	2.253	ppbv		
20) Methylene Chloride	4.34	84	127881m	1.716	ppbv		
21) Allyl Chloride	4.40	41	229946m	1.908	ppbv		
22) trans-1,2-Dichloroethene	4.88	96	113699	1.822	ppbv		92
23) Vinyl Acetate	5.07	43	547645	2.215	ppbv	#	99
24) 1,1-Dichloroethane	5.00	63	373146m	2.146	ppbv		
25) Ethyl Acetate	5.67	43	864519m	2.323	ppbv		
26) Hexane	5.68	57	353070m	2.109	ppbv		
27) Carbon Disulfide	4.55	76	274589	1.707	ppbv		98
28) Methyl tert-Butyl Ether	5.03	73	471818	2.028	ppbv		98
29) Chloroform	5.74	83	498305	2.247	ppbv		96
30) Cyclohexane	7.12	84	265445	2.125	ppbv	#	82
31) cis-1,2-Dichloroethene	5.54	61	325667	2.125	ppbv		96
32) 1,1,1-Trichloroethane	6.51	97	455726	1.992	ppbv		93
34) 2-Butanone	5.24	43	558054m	2.424	ppbv		
35) Carbon Tetrachloride	7.01	117	457751	2.288	ppbv		98
36) Benzene	6.89	78	681671	2.335	ppbv		94
37) 1,2-Dichloroethane	6.30	62	397837	2.338	ppbv		99
38) Trichloroethene	7.83	130	226566m	2.101	ppbv		
39) 1,2-Dichloropropane	7.61	63	268067	2.319	ppbv		97
40) 1,4-Dioxane	7.83	88	97532m	2.677	ppbv		
41) Tetrahydrofuran	6.05	42	315904m	2.339	ppbv		
42) Bromodichloromethane	7.78	83	528687	2.353	ppbv		96
43) Methyl Methacrylate	8.01	69	292363	2.334	ppbv		98

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1265611	2.403	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	280979m	2.193	ppbv		
46) cis-1,3-Dichloropropene	8.69	75	345140m	2.134	ppbv		
47) 1,1,2-Trichloroethane	9.47	97	270061	2.422	ppbv		94
48) Dibromochloromethane	10.30	129	395568	2.370	ppbv		98
49) Bromoform	13.04	173	323376	2.450	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	830853m	2.426	ppbv		
51) 2-Hexanone	10.14	43	650739	2.398	ppbv		97
52) Tetrachloroethene	11.22	164	210200	2.003	ppbv		95
53) Toluene	9.80	91	771330	2.355	ppbv		99
54) 1,2-Dibromoethane	10.61	107	389291	2.330	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.12	131	320511	2.331	ppbv	#	1
57) Chlorobenzene	12.14	112	556828	2.379	ppbv		97
58) Ethyl Benzene	12.71	91	1087082	2.374	ppbv		99
59) m/p-Xylene	12.99	91	1849988m	4.806	ppbv		
60) o-Xylene	13.69	91	884684	2.435	ppbv		98
61) Styrene	13.53	104	553003	2.345	ppbv		98
62) Isopropylbenzene	14.67	105	1331133	2.463	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.67	83	630423	2.555	ppbv		98
64) n-propylbenzene	15.55	120	324102	2.477	ppbv		84
65) tert-Butylbenzene	16.74	119	1182762	2.661	ppbv		100
66) Benzyl Chloride	16.99	91	263357	2.309	ppbv		98
67) sec-Butylbenzene	17.29	105	1722041	2.741	ppbv		98
69) p-Isopropyltoluene	17.65	119	1381269	2.761	ppbv		99
70) n-Butylbenzene	18.55	91	1476713	2.935	ppbv		99
71) 2-Chlorotoluene	15.45	91	1039150	2.517	ppbv		99
72) 4-Ethyltoluene	15.83	105	1017685	2.554	ppbv		98
73) 1,3,5-Trimethylbenzene	16.00	105	955543	2.505	ppbv		98
74) 1,2,4-Trimethylbenzene	16.76	105	1017160	2.659	ppbv		96
75) 1,3-Dichlorobenzene	17.00	146	529266	2.742	ppbv		99
76) 1,4-Dichlorobenzene	17.13	146	499982	2.544	ppbv		99
77) 1,2-Dichlorobenzene	17.82	146	502531	2.686	ppbv		98
78) Hexachloro-1,3-Butadiene	23.38	225	407966	2.761	ppbv		95
79) Naphthalene	22.20	128	572307m	2.795	ppbv		
80) Naphthalene,2-methyl-	24.99	142	101754	2.433	ppbv	#	93
81) 1,2,4-Trichlorobenzene	21.93	180	326862m	2.513	ppbv		

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

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