Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080621\
Data File : VL037345.D
Acq On : 6 Aug 2021 14:28
Operator : SY/AP
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 06 16:37:35 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 0
QLast Update : Fri Aug 06 15:47:06 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	908683	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3095592	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2825281	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1858945	9.41	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	342983	1.697	ppbv		99
3) Chlorodifluoromethane	2.98	51	375764	1.991	ppbv		99
4) Chloromethane	3.14	50	124978	1.870	ppbv		99
5) Vinyl Chloride	3.25	62	121229	1.731	ppbv		89
6) Bromomethane	3.47	94	78526	1.825	ppbv		96
7) Chloroethane	3.55	64	53797m	2.145	ppbv		
8) Dichlorotetrafluoroethane	3.18	85	361913	1.996	ppbv		99
9) Propene	3.01	41	118483	1.761	ppbv		99
10) Heptane	8.11	43	280315	1.775	ppbv		96
11) Trichlorofluoromethane	3.94	101	366268	2.075	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	267131	2.086	ppbv		96
13) Ethanol	3.62	45	22142m	2.177	ppbv		
14) Bromoethene	3.73	108	112629	1.990	ppbv		97
15) Acetone	3.85	43	201069	2.007	ppbv	#	72
16) 1,3-Butadiene	3.32	39	129501	1.998	ppbv		97
17) tert-Butyl alcohol	4.30	59	185549	1.841	ppbv		100
18) 1,1-Dichloroethene	4.28	96	118024	2.025	ppbv		93
19) Isopropyl Alcohol	3.99	45	121441m	2.191	ppbv		
20) Methylene Chloride	4.34	84	194379	2.344	ppbv		95
21) Allyl Chloride	4.40	41	160979m	1.989	ppbv		
22) trans-1,2-Dichloroethene	4.88	96	111979	2.088	ppbv		94
23) Vinyl Acetate	5.07	43	272609	1.815	ppbv	#	94
24) 1,1-Dichloroethane	5.00	63	228437	1.785	ppbv		99
25) Ethyl Acetate	5.68	43	476339	1.836	ppbv		98
26) Hexane	5.68	57	296285	2.043	ppbv		88
27) Carbon Disulfide	4.55	76	215489	1.799	ppbv		97
28) Methyl tert-Butyl Ether	5.04	73	259328	1.710	ppbv		99
29) Chloroform	5.74	83	357743	1.917	ppbv		93
30) Cyclohexane	7.12	84	213837	1.903	ppbv		90
31) cis-1,2-Dichloroethene	5.54	61	214815	1.894	ppbv		95
32) 1,1,1-Trichloroethane	6.50	97	368227	2.070	ppbv		98
34) 2-Butanone	5.25	43	232671m	2.175	ppbv		
35) Carbon Tetrachloride	7.01	117	377083	1.995	ppbv		98
36) Benzene	6.88	78	490416	1.756	ppbv		98
37) 1,2-Dichloroethane	6.30	62	254238	1.946	ppbv		99
38) Trichloroethene	7.82	130	209003	1.704	ppbv		97
39) 1,2-Dichloropropane	7.60	63	179329	1.728	ppbv		95
40) 1,4-Dioxane	7.86	88	55383m	1.831	ppbv		
41) Tetrahydrofuran	6.06	42	96146	1.624	ppbv		96
42) Bromodichloromethane	7.78	83	357392	1.828	ppbv		95
43) Methyl Methacrylate	8.01	69	152642	1.613	ppbv		96

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Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	830356	1.796 ppbv	100
45) t-1,3-Dichloropropene	9.27	75	85569	1.195 ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	141929	1.375 ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	200238	1.789 ppbv	96
48) Dibromochloromethane	10.29	129	306526	1.819 ppbv	99
49) Bromoform	13.02	173	235730m	1.841 ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	285321	1.723 ppbv	100
51) 2-Hexanone	10.16	43	138518m	1.834 ppbv	
52) Tetrachloroethene	11.21	164	202522	1.670 ppbv	97
53) Toluene	9.79	91	572158	1.726 ppbv	100
54) 1,2-Dibromoethane	10.60	107	275608	1.775 ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	248257m	1.956 ppbv	
57) Chlorobenzene	12.13	112	431504	1.760 ppbv	94
58) Ethyl Benzene	12.69	91	722084	1.703 ppbv	96
59) m/p-Xylene	12.98	91	1314228m	3.685 ppbv	
60) o-Xylene	13.68	91	596581	1.807 ppbv	99
61) Styrene	13.51	104	315098m	1.756 ppbv	
62) Isopropylbenzene	14.65	105	896340	1.875 ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	423007	1.804 ppbv	100
64) n-propylbenzene	15.55	120	233032m	1.876 ppbv	
65) tert-Butylbenzene	16.73	119	840894	1.923 ppbv	98
66) Benzyl Chloride	16.98	91	28695m	1.758 ppbv	
67) sec-Butylbenzene	17.27	105	1129969	1.918 ppbv	98
69) p-Isopropyltoluene	17.64	119	962788	1.938 ppbv	99
70) n-Butylbenzene	18.54	91	844062	1.865 ppbv	98
71) 2-Chlorotoluene	15.44	91	609665	1.826 ppbv	97
72) 4-Ethyltoluene	15.82	105	734437	1.855 ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	657054	1.845 ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	742073	1.963 ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	448550m	1.929 ppbv	
76) 1,4-Dichlorobenzene	17.12	146	457719m	1.984 ppbv	
77) 1,2-Dichlorobenzene	17.80	146	423311	1.877 ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	368353	1.851 ppbv	98
79) Naphthalene	22.19	128	468617	1.440 ppbv	97
80) Naphthalene,2-methyl-	24.97	142	75592	1.491 ppbv	88
81) 1,2,4-Trichlorobenzene	21.91	180	334263m	1.734 ppbv	

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

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