Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081121\
Data File : VL037377.D
Acq On : 11 Aug 2021 3:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 11 08:52:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
QLast Update : Wed Aug 11 03:21:19 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	5.66	49	1252204	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3881949	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3570625	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2632395	9.78	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	284251	1.332	ppbv		93
3) Chlorodifluoromethane	2.99	51	251349	1.040	ppbv		99
4) Chloromethane	3.14	50	96431	1.187	ppbv		93
5) Vinyl Chloride	3.26	62	86525	0.973	ppbv		96
6) Bromomethane	3.47	94	52312m	1.010	ppbv		
7) Chloroethane	3.56	64	31375m	0.983	ppbv		
8) Dichlorotetrafluoroethane	3.19	85	215338	0.981	ppbv		98
9) Propene	3.01	41	85223	1.094	ppbv		96
10) Heptane	8.12	43	195332	1.031	ppbv		95
11) Trichlorofluoromethane	3.95	101	209166m	0.931	ppbv		
12) 1,1,2-Trichlorotrifluoroet	4.49	101	144517m	0.917	ppbv		
13) Ethanol	3.63	45	10425m	0.878	ppbv		
14) Bromoethene	3.74	108	63543m	0.948	ppbv		
15) Acetone	3.86	43	140717m	1.008	ppbv		
16) 1,3-Butadiene	3.33	39	88844m	1.071	ppbv		
17) tert-Butyl alcohol	4.32	59	112249m	0.897	ppbv		
18) 1,1-Dichloroethene	4.29	96	64045	0.912	ppbv		85
19) Isopropyl Alcohol	3.99	45	70312m	0.853	ppbv		
20) Methylene Chloride	4.34	84	76164	0.916	ppbv		89
21) Allyl Chloride	4.41	41	94018	0.899	ppbv		94
22) trans-1,2-Dichloroethene	4.88	96	62365m	0.899	ppbv		
23) Vinyl Acetate	5.07	43	196747	0.973	ppbv	#	96
24) 1,1-Dichloroethane	5.01	63	160508	1.000	ppbv		100
25) Ethyl Acetate	5.68	43	314750	1.025	ppbv	#	97
26) Hexane	5.69	57	168676	1.091	ppbv		95
27) Carbon Disulfide	4.55	76	128973	0.880	ppbv		95
28) Methyl tert-Butyl Ether	5.04	73	174065	0.957	ppbv		100
29) Chloroform	5.74	83	236481m	1.004	ppbv		
30) Cyclohexane	7.12	84	134705	1.046	ppbv	#	73
31) cis-1,2-Dichloroethene	5.54	61	143408	1.012	ppbv		97
32) 1,1,1-Trichloroethane	6.51	97	216523	0.863	ppbv		98
34) 2-Butanone	5.26	43	163673m	1.097	ppbv		
35) Carbon Tetrachloride	7.01	117	216417	0.853	ppbv		99
36) Benzene	6.89	78	316945	1.012	ppbv		94
37) 1,2-Dichloroethane	6.30	62	162604m	0.915	ppbv		
38) Trichloroethene	7.83	130	134634m	0.911	ppbv		
39) 1,2-Dichloropropane	7.61	63	121179m	1.045	ppbv		
40) 1,4-Dioxane	7.86	88	33607m	1.054	ppbv		
41) Tetrahydrofuran	6.06	42	71814m	1.029	ppbv		
42) Bromodichloromethane	7.78	83	228038m	0.931	ppbv		
43) Methyl Methacrylate	8.01	69	111653m	1.036	ppbv		

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	557464	1.055	ppbv		98
45) t-1,3-Dichloropropene	9.27	75	72099m	0.787	ppbv		
46) cis-1,3-Dichloropropene	8.70	75	104073m	0.826	ppbv		
47) 1,1,2-Trichloroethane	9.47	97	136853m	1.036	ppbv		
48) Dibromochloromethane	10.29	129	193623m	0.949	ppbv		
49) Bromoform	13.04	173	143506m	0.943	ppbv		
50) 4-Methyl-2-Pentanone	8.75	43	202405m	0.991	ppbv		
51) 2-Hexanone	10.16	43	83434m	0.852	ppbv		
52) Tetrachloroethene	11.22	164	125774	0.874	ppbv		91
53) Toluene	9.80	91	368151	0.986	ppbv		99
54) 1,2-Dibromoethane	10.61	107	179372	0.948	ppbv		87
56) 1,1,1,2-Tetrachloroethane	12.12	131	142271	0.934	ppbv	#	1
57) Chlorobenzene	12.14	112	293885	1.023	ppbv	#	89
58) Ethyl Benzene	12.71	91	502994	1.026	ppbv		99
59) m/p-Xylene	12.99	91	869143m	2.090	ppbv		
60) o-Xylene	13.68	91	412513	1.047	ppbv		99
61) Styrene	13.52	104	191741	0.951	ppbv		97
62) Isopropylbenzene	14.66	105	574977	1.023	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.67	83	277967	1.043	ppbv		96
64) n-propylbenzene	15.56	120	144695	1.037	ppbv		99
65) tert-Butylbenzene	16.73	119	520079m	1.045	ppbv		
66) Benzyl Chloride	16.97	91	17434m	0.795	ppbv		
67) sec-Butylbenzene	17.28	105	688833	1.028	ppbv		99
69) p-Isopropyltoluene	17.64	119	546225	0.973	ppbv		99
70) n-Butylbenzene	18.54	91	509677	0.974	ppbv		98
71) 2-Chlorotoluene	15.45	91	410807	1.043	ppbv		97
72) 4-Ethyltoluene	15.83	105	445138	0.989	ppbv		98
73) 1,3,5-Trimethylbenzene	15.99	105	432361m	0.995	ppbv		
74) 1,2,4-Trimethylbenzene	16.75	105	424126	0.949	ppbv	#	87
75) 1,3-Dichlorobenzene	16.99	146	258414m	0.951	ppbv		
76) 1,4-Dichlorobenzene	17.13	146	257815m	0.949	ppbv		
77) 1,2-Dichlorobenzene	17.81	146	251029m	0.954	ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	216128m	0.962	ppbv		
79) Naphthalene	22.19	128	174626m	0.491	ppbv		
80) Naphthalene,2-methyl-	24.99	142	18487m	0.217	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	130790m	0.624	ppbv		

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

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