Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081221\
Data File : VL037425.D
Acq On : 12 Aug 2021 22:45
Operator : SY/AP
Sample : M3211-06RE
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 13 10:58:05 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : IA-1RE

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1239559	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3664795	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3049478	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2181068	9.97	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	26483	0.140	ppbv		96
3) Chlorodifluoromethane	2.99	51	105999m	0.435	ppbv		
4) Chloromethane	3.14	50	60056	0.686	ppbv		98
5) Vinyl Chloride	3.26	62	262	0.003	ppbv		94
6) Bromomethane	3.48	94	396	0.008	ppbv	#	34
7) Chloroethane	3.56	64	532	0.017	ppbv	#	61
8) Dichlorotetrafluoroethane	3.18	85	1545	0.007	ppbv	#	13
9) Propene	3.02	41	618974	7.573	ppbv	#	66
10) Heptane	8.13	43	115438m	0.581	ppbv		
11) Trichlorofluoromethane	3.95	101	2869736	14.004	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1766	0.012	ppbv	#	1
13) Ethanol	3.61	45	4602281	527.587	ppbv		89
14) Bromoethene	3.55	108	119	0.002	ppbv	#	1
15) Acetone	3.84	43	14798411	112.572	ppbv		97
17) tert-Butyl alcohol	4.31	59	37819m	0.301	ppbv		
18) 1,1-Dichloroethene	4.30	96	342	0.005	ppbv	#	1
19) Isopropyl Alcohol	3.97	45	938762	12.271	ppbv	#	1
20) Methylene Chloride	4.35	84	582588	8.381	ppbv		96
22) trans-1,2-Dichloroethene	4.88	96	246	0.004	ppbv	#	7
24) 1,1-Dichloroethane	5.01	63	501	0.003	ppbv	#	89
26) Hexane	5.69	57	569326	3.521	ppbv	#	54
27) Carbon Disulfide	4.55	76	18541m	0.136	ppbv		
28) Methyl tert-Butyl Ether	5.04	73	864	0.005	ppbv	#	52
29) Chloroform	5.75	83	333584	1.465	ppbv		99
30) Cyclohexane	7.13	84	45252	0.340	ppbv		91
31) cis-1,2-Dichloroethene	5.55	61	450	0.003	ppbv	#	22
32) 1,1,1-Trichloroethane	6.52	97	253	0.001	ppbv	#	22
34) 2-Butanone	5.24	43	1059219	7.001	ppbv		96
35) Carbon Tetrachloride	7.02	117	18371m	0.081	ppbv		
36) Benzene	6.89	78	237740	0.769	ppbv		94
37) 1,2-Dichloroethane	6.30	62	2158	0.014	ppbv	#	80
40) 1,4-Dioxane	7.83	88	186	0.006	ppbv	#	100
41) Tetrahydrofuran	6.02	42	40049m	0.576	ppbv		
42) Bromodichloromethane	7.79	83	6434	0.029	ppbv	#	66
43) Methyl Methacrylate	8.01	69	28273m	0.270	ppbv		
44) 2,2,4-Trimethylpentane	7.87	57	394895	0.764	ppbv		90
45) t-1,3-Dichloropropene	9.28	75	104	0.001	ppbv	#	44
46) cis-1,3-Dichloropropene	8.70	75	67	0.001	ppbv	#	36
47) 1,1,2-Trichloroethane	9.47	97	130	0.001	ppbv	#	74
48) Dibromochloromethane	10.30	129	194	0.001	ppbv	#	10
49) Bromoform	13.05	173	184	0.001	ppbv	#	45

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
50) 4-Methyl-2-Pentanone	8.75	43	64291m	0.338	ppbv		
52) Tetrachloroethene	11.22	164	12969m	0.100	ppbv		
53) Toluene	9.80	91	4746368	13.453	ppbv		99
54) 1,2-Dibromoethane	10.63	107	142	0.001	ppbv		83
56) 1,1,1,2-Tetrachloroethane	12.12	131	176	0.001	ppbv	#	1
57) Chlorobenzene	12.14	112	816	0.003	ppbv	#	52
58) Ethyl Benzene	12.71	91	485800	1.174	ppbv		99
59) m/p-Xylene	12.96	91	1578247m	4.343	ppbv		
60) o-Xylene	13.68	91	426898m	1.265	ppbv		
61) Styrene	13.53	104	68260m	0.400	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.67	83	353	0.001	ppbv	#	24
64) n-propylbenzene	15.55	120	23327m	0.192	ppbv		
65) tert-Butylbenzene	16.75	119	63631m	0.146	ppbv		
66) Benzyl Chloride	17.00	91	505	0.025	ppbv	#	1
67) sec-Butylbenzene	17.29	105	3675	0.006	ppbv	#	58
69) p-Isopropyltoluene	17.64	119	54799m	0.113	ppbv		
70) n-Butylbenzene	18.55	91	56289m	0.125	ppbv		
71) 2-Chlorotoluene	15.59	91	4570	0.013	ppbv		89
72) 4-Ethyltoluene	15.83	105	158437m	0.404	ppbv		
73) 1,3,5-Trimethylbenzene	16.00	105	157430	0.425	ppbv		98
74) 1,2,4-Trimethylbenzene	16.75	105	510417	1.346	ppbv	#	71
76) 1,4-Dichlorobenzene	17.13	146	3702277	16.088	ppbv		98
77) 1,2-Dichlorobenzene	17.81	146	489	0.002	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.36	225	231	0.001	ppbv	#	1
79) Naphthalene	22.19	128	110476m	0.536	ppbv		
80) Naphthalene,2-methyl-	24.97	142	3874m	0.089	ppbv		
81) 1,2,4-Trichlorobenzene	21.92	180	833	0.006	ppbv	#	3

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

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