Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL013020\
Data File : VL034568.D
Acq On : 30 Jan 2020 12:05
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 30 14:47:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 3
QLast Update : Thu Jan 30 11:35:42 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Manual Integrations APPROVED
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1/31/2020 4:25:54 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1188394	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2406952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2599794	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2145421	9.89	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	2248101	11.995	ppbv	97
3) Chlorodifluoromethane	2.95	51	1278316	9.028	ppbv	97
4) Chloromethane	3.10	50	778907	9.261	ppbv	98
5) Vinyl Chloride	3.22	62	737262	8.952	ppbv	98
6) Bromomethane	3.44	94	399811	9.752	ppbv	97
7) Chloroethane	3.52	64	280168	9.762	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1757271	9.349	ppbv	99
9) Propene	2.97	41	504161	9.235	ppbv	98
10) Heptane	8.13	43	1392182	9.875	ppbv	100
11) Trichlorofluoromethane	3.92	101	2088615	9.630	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1385809	10.046	ppbv	99
13) Ethanol	3.57	45	117638	7.767	ppbv	99
14) Bromoethene	3.71	108	567877	10.178	ppbv	99
15) Acetone	3.82	43	1457476	8.404	ppbv	100
16) 1,3-Butadiene	3.29	39	665039	9.970	ppbv	99
17) tert-Butyl alcohol	4.27	59	1228135	8.844	ppbv	100
18) 1,1-Dichloroethene	4.26	96	607026	10.102	ppbv	92
19) Isopropyl Alcohol	3.94	45	935438	8.332	ppbv #	99
20) Methylene Chloride	4.32	84	541338	7.933	ppbv	98
21) Allyl Chloride	4.39	41	1019617	10.229	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	634345	10.379	ppbv	90
23) Vinyl Acetate	5.06	43	1914146	9.560	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1506024	9.362	ppbv	100
25) Ethyl Acetate	5.67	43	2576523	9.513	ppbv	100
26) Hexane	5.68	57	1091724	9.566	ppbv	99
27) Carbon Disulfide	4.53	76	1608457	11.150	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1906155	10.000	ppbv	99
29) Chloroform	5.75	83	1880018	9.520	ppbv	95
30) Cyclohexane	7.14	84	863381	10.178	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1186481	10.202	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1950547	9.516	ppbv	100
34) 2-Butanone	5.23	43	1612701	9.376	ppbv	99
35) Carbon Tetrachloride	7.02	117	2124035	9.731	ppbv	99
36) Benzene	6.90	78	2065649	9.845	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1634178	9.591	ppbv	100
38) Trichloroethene	7.85	130	898430	10.600	ppbv	97
39) 1,2-Dichloropropane	7.63	63	834530	9.673	ppbv	96
40) 1,4-Dioxane	7.84	88	323543	9.266	ppbv #	100
41) Tetrahydrofuran	6.04	42	885312	10.034	ppbv	98
42) Bromodichloromethane	7.80	83	2082504	9.933	ppbv	94
43) Methyl Methacrylate	8.02	69	870065	10.166	ppbv	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3672612	9.462	ppbv		99
45) t-1,3-Dichloropropene	9.30	75	1262308	11.450	ppbv		94
46) cis-1,3-Dichloropropene	8.72	75	1389868	11.028	ppbv		98
47) 1,1,2-Trichloroethane	9.50	97	905911	9.525	ppbv		98
48) Dibromochloromethane	10.33	129	1778931	10.790	ppbv		99
49) Bromoform	13.08	173	1601306	10.728	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	2430082	9.733	ppbv		99
51) 2-Hexanone	10.15	43	2024126	10.043	ppbv	#	99
52) Tetrachloroethene	11.25	164	800872	9.781	ppbv		96
53) Toluene	9.83	91	2411244	10.460	ppbv		100
54) 1,2-Dibromoethane	10.64	107	1381271	9.980	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1175658	9.368	ppbv		100
57) Chlorobenzene	12.18	112	1916724	8.936	ppbv		99
58) Ethyl Benzene	12.74	91	3343669	9.537	ppbv		97
59) m/p-Xylene	13.03	91	5707647m	18.616	ppbv		
60) o-Xylene	13.73	91	2869428	9.327	ppbv		99
61) Styrene	13.56	104	2108288	10.023	ppbv		99
62) Isopropylbenzene	14.70	105	3691247	9.172	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2018788	8.180	ppbv		100
64) n-propylbenzene	15.60	120	978991	9.527	ppbv		95
65) tert-Butylbenzene	16.79	119	3332926	9.167	ppbv		100
66) Benzyl Chloride	17.03	91	1659069	10.412	ppbv		99
67) sec-Butylbenzene	17.34	105	4498193	8.810	ppbv		99
69) p-Isopropyltoluene	17.69	119	3790087	9.152	ppbv		100
70) n-Butylbenzene	18.59	91	3926147	8.787	ppbv		100
71) 2-Chlorotoluene	15.49	91	2898423	9.274	ppbv		100
72) 4-Ethyltoluene	15.88	105	3209405	9.322	ppbv		99
73) 1,3,5-Trimethylbenzene	16.04	105	3107385	9.200	ppbv		95
74) 1,2,4-Trimethylbenzene	16.81	105	3238131	8.962	ppbv	#	91
75) 1,3-Dichlorobenzene	17.04	146	1822703	8.422	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1826400	8.766	ppbv		99
77) 1,2-Dichlorobenzene	17.86	146	1742566	8.568	ppbv		100
78) Hexachloro-1,3-Butadiene	23.42	225	1601016	8.293	ppbv		100
79) Naphthalene	22.26	128	2741592	10.074	ppbv		98
80) Naphthalene,2-methyl-	25.01	142	1292502	17.144	ppbv	#	93
81) 1,2,4-Trichlorobenzene	21.99	180	1649011	9.306	ppbv		100

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

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