Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
Data File : VL034515.D
Acq On : 30 Dec 2019 14:16
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 30 14:58:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 3
QLast Update : Mon Dec 30 14:19:57 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1082148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2195997	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2239926	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1912091	10.15	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1750488	8.942	ppbv	99
3) Chlorodifluoromethane	2.96	51	1644002	12.176	ppbv	100
4) Chloromethane	3.11	50	1024563	12.865	ppbv	97
5) Vinyl Chloride	3.23	62	956107	12.814	ppbv	97
6) Bromomethane	3.45	94	505942	13.476	ppbv	97
7) Chloroethane	3.54	64	355347	13.121	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	2110776	12.006	ppbv	100
9) Propene	2.98	41	708069	11.812	ppbv	99
10) Heptane	8.15	43	1956942	12.650	ppbv	98
11) Trichlorofluoromethane	3.93	101	2469228	12.674	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1661604	12.842	ppbv	100
13) Ethanol	3.58	45	132131	7.913	ppbv	99
14) Bromoethene	3.72	108	698450	13.276	ppbv	99
15) Acetone	3.83	43	1842309	11.889	ppbv	99
16) 1,3-Butadiene	3.30	39	879628	13.031	ppbv	100
17) tert-Butyl alcohol	4.28	59	1328644	10.200	ppbv	100
18) 1,1-Dichloroethene	4.28	96	753427	13.312	ppbv	95
19) Isopropyl Alcohol	3.96	45	1037272	10.443	ppbv	99
20) Methylene Chloride	4.33	84	672236	12.234	ppbv	96
21) Allyl Chloride	4.40	41	1285704	13.846	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	778670	13.648	ppbv	97
23) Vinyl Acetate	5.08	43	2611918	12.903	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1944951	12.508	ppbv	100
25) Ethyl Acetate	5.69	43	3371084	12.191	ppbv	99
26) Hexane	5.70	57	1459975	12.287	ppbv	98
27) Carbon Disulfide	4.54	76	1992885	15.399	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2457519	12.473	ppbv	99
29) Chloroform	5.77	83	2400055	12.473	ppbv	97
30) Cyclohexane	7.15	84	1166272	12.984	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1589662	12.947	ppbv	98
32) 1,1,1-Trichloroethane	6.53	97	2451456	13.589	ppbv	99
34) 2-Butanone	5.25	43	2212645	12.241	ppbv	99
35) Carbon Tetrachloride	7.04	117	2619089	13.872	ppbv	96
36) Benzene	6.92	78	2744924	12.504	ppbv	99
37) 1,2-Dichloroethane	6.33	62	2111941	12.950	ppbv	100
38) Trichloroethene	7.87	130	1128381	12.526	ppbv	99
39) 1,2-Dichloropropane	7.64	63	1152833	13.631	ppbv	98
40) 1,4-Dioxane	7.86	88	374287	10.131	ppbv #	90
41) Tetrahydrofuran	6.06	42	1256615	12.394	ppbv	99
42) Bromodichloromethane	7.83	83	2675994	13.120	ppbv	97
43) Methyl Methacrylate	8.05	69	1216685	13.363	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	4810018	11.990	ppbv		98
45) t-1,3-Dichloropropene	9.32	75	1718664	14.719	ppbv		96
46) cis-1,3-Dichloropropene	8.74	75	1873236	14.282	ppbv		98
47) 1,1,2-Trichloroethane	9.52	97	1201271	12.769	ppbv		96
48) Dibromochloromethane	10.36	129	2269660	14.051	ppbv		100
49) Bromoform	13.10	173	2062362	14.303	ppbv		100
50) 4-Methyl-2-Pentanone	8.77	43	3316265	12.680	ppbv		98
51) 2-Hexanone	10.18	43	2829190	12.915	ppbv		99
52) Tetrachloroethene	11.27	164	1072034	11.287	ppbv		98
53) Toluene	9.85	91	3216799	12.901	ppbv		100
54) 1,2-Dibromoethane	10.66	107	1831985	12.702	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.18	131	1487668	13.578	ppbv		99
57) Chlorobenzene	12.20	112	2523318	12.462	ppbv		97
58) Ethyl Benzene	12.76	91	4391763	12.634	ppbv		96
59) m/p-Xylene	13.05	91	7338218m	24.422	ppbv		
60) o-Xylene	13.75	91	3750844	12.625	ppbv		99
61) Styrene	13.59	104	2809760	13.115	ppbv		99
62) Isopropylbenzene	14.73	105	4799428	12.215	ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.74	83	2622486	11.744	ppbv		99
64) n-propylbenzene	15.62	120	1301797	12.758	ppbv		92
65) tert-Butylbenzene	16.81	119	4324546	12.253	ppbv		99
66) Benzyl Chloride	17.06	91	2309556	17.010	ppbv		99
67) sec-Butylbenzene	17.36	105	5828177	11.805	ppbv		98
69) p-Isopropyltoluene	17.72	119	4906237	11.974	ppbv		98
70) n-Butylbenzene	18.62	91	5170128	11.727	ppbv		98
71) 2-Chlorotoluene	15.52	91	3788245	12.092	ppbv		99
72) 4-Ethyltoluene	15.90	105	4288912	12.494	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	4105116	12.217	ppbv		97
74) 1,2,4-Trimethylbenzene	16.83	105	4193900	11.750	ppbv		93
75) 1,3-Dichlorobenzene	17.07	146	2424526	11.818	ppbv		99
76) 1,4-Dichlorobenzene	17.21	146	2435871	12.227	ppbv		98
77) 1,2-Dichlorobenzene	17.89	146	2339476	11.806	ppbv		99
78) Hexachloro-1,3-Butadiene	23.45	225	2238638	13.149	ppbv		100
79) Naphthalene	22.29	128	4003183	12.938	ppbv		98
80) Naphthalene,2-methyl-	25.03	142	2188617	15.665	ppbv	#	94
81) 1,2,4-Trichlorobenzene	22.02	180	2369296	12.464	ppbv		100

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

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