Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031219\
Data File : VL033273.D
Acq On : 12 Mar 2019 2:58
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 05:01:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 1
QLast Update : Tue Mar 12 04:49:55 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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3/14/2019 5:05:37 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	930283	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2181283	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2263960	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1715002	9.46	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	371035	1.923	ppbv	99
3) Chlorodifluoromethane	3.02	51	230978	1.969	ppbv	99
4) Chloromethane	3.17	50	123450	2.003	ppbv	100
5) Vinyl Chloride	3.29	62	120301	2.017	ppbv	99
6) Bromomethane	3.52	94	73623	1.947	ppbv	98
7) Chloroethane	3.60	64	43979	1.993	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	300231	1.968	ppbv	99
9) Propene	3.04	41	104095	1.998	ppbv	99
10) Heptane	8.25	43	264962	2.145	ppbv	99
11) Trichlorofluoromethane	4.00	101	342446	2.119	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	225961	2.225	ppbv	100
13) Ethanol	3.66	45	39874	2.742	ppbv	97
14) Bromoethene	3.79	108	93078m	2.226	ppbv	
15) Acetone	3.90	43	261479	2.258	ppbv	98
16) 1,3-Butadiene	3.36	39	95552	1.913	ppbv	98
17) tert-Butyl alcohol	4.37	59	40302m	2.217	ppbv	
18) 1,1-Dichloroethene	4.35	96	104674	2.352	ppbv	88
19) Isopropyl Alcohol	4.03	45	151520	2.181	ppbv #	1
20) Methylene Chloride	4.41	84	109777	2.401	ppbv	91
21) Allyl Chloride	4.48	41	150669	2.250	ppbv	97
22) trans-1,2-Dichloroethene	4.97	96	103642	2.184	ppbv #	94
23) Vinyl Acetate	5.16	43	382336	2.382	ppbv	99
24) 1,1-Dichloroethane	5.09	63	264601	2.173	ppbv	99
25) Ethyl Acetate	5.77	43	464449	2.191	ppbv	99
26) Hexane	5.78	57	224695	2.249	ppbv	94
27) Carbon Disulfide	4.62	76	231916	2.293	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	305711	2.321	ppbv	100
29) Chloroform	5.85	83	320421	2.109	ppbv	98
30) Cyclohexane	7.25	84	165636	2.207	ppbv	88
31) cis-1,2-Dichloroethene	5.64	61	205534	2.177	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	307136	2.144	ppbv	98
34) 2-Butanone	5.34	43	298440	2.207	ppbv	100
35) Carbon Tetrachloride	7.13	117	322326	2.157	ppbv	98
36) Benzene	7.00	78	416437	2.160	ppbv	99
37) 1,2-Dichloroethane	6.41	62	247289	2.008	ppbv	100
38) Trichloroethene	7.96	130	158842	2.177	ppbv	98
39) 1,2-Dichloropropane	7.73	63	156211	2.118	ppbv	98
40) 1,4-Dioxane	7.97	88	56621m	2.093	ppbv	
41) Tetrahydrofuran	6.16	42	160564	2.098	ppbv	98
42) Bromodichloromethane	7.91	83	340460	2.072	ppbv	97
43) Methyl Methacrylate	8.14	69	156744	2.081	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	716698	2.155	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	199468	2.184	ppbv		99
46) cis-1,3-Dichloropropene	8.84	75	227951	2.118	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	163965	2.070	ppbv		98
48) Dibromochloromethane	10.45	129	270870	2.087	ppbv		100
49) Bromoform	13.20	173	221444	1.901	ppbv		99
50) 4-Methyl-2-Pentanone	8.88	43	428664	2.151	ppbv		100
51) 2-Hexanone	10.28	43	332652m	2.239	ppbv		
52) Tetrachloroethene	11.37	164	147743	2.096	ppbv		96
53) Toluene	9.94	91	484299	2.248	ppbv		99
54) 1,2-Dibromoethane	10.76	107	257750	2.075	ppbv		91
56) 1,1,1,2-Tetrachloroethane	12.28	131	199608	2.109	ppbv	#	1
57) Chlorobenzene	12.30	112	354054	2.126	ppbv		97
58) Ethyl Benzene	12.86	91	653079	2.126	ppbv		96
59) m/p-Xylene	13.12	91	1096974m	3.951	ppbv		
60) o-Xylene	13.85	91	525784	1.962	ppbv		100
61) Styrene	13.68	104	371592	2.031	ppbv		99
62) Isopropylbenzene	14.83	105	733999	2.052	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	352871	2.043	ppbv		100
64) n-propylbenzene	15.72	120	174615	1.993	ppbv		89
65) tert-Butylbenzene	16.91	119	631933	2.099	ppbv		99
66) Benzyl Chloride	17.16	91	218988	1.952	ppbv		99
67) sec-Butylbenzene	17.46	105	892493	2.089	ppbv		99
69) p-Isopropyltoluene	17.82	119	715311	2.061	ppbv		99
70) n-Butylbenzene	18.72	91	767351	2.040	ppbv		98
71) 2-Chlorotoluene	15.62	91	548761	2.053	ppbv		99
72) 4-Ethyltoluene	16.00	105	566988	2.035	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	523931	1.974	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	539828	1.952	ppbv		98
75) 1,3-Dichlorobenzene	17.16	146	330747m	2.026	ppbv		
76) 1,4-Dichlorobenzene	17.31	146	318209	1.987	ppbv		97
77) 1,2-Dichlorobenzene	17.99	146	322486m	2.047	ppbv		
78) Hexachloro-1,3-Butadiene	23.55	225	236487	1.980	ppbv		98
79) Naphthalene	22.42	128	419679	1.389	ppbv		96
80) Naphthalene,2-methyl-	25.12	142	20587	0.282	ppbv		97
81) 1,2,4-Trichlorobenzene	22.14	180	245575	1.573	ppbv		98

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

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