Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031720\
Data File : VL034914.D
Acq On : 17 Mar 2020 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
MMDadoda
3/18/2020 5:35:39 PM

Quant Time: Mar 18 07:12:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 0
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1010492	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2231033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2413472	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1858536	9.87	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1029171	7.438	ppbv	98
3) Chlorodifluoromethane	2.94	51	1110482	9.838	ppbv	100
4) Chloromethane	3.10	50	643775	10.091	ppbv	97
5) Vinyl Chloride	3.21	62	613701	10.006	ppbv	92
6) Bromomethane	3.43	94	353047	9.888	ppbv	94
7) Chloroethane	3.52	64	226457	10.224	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1353012	9.415	ppbv	97
9) Propene	2.96	41	520095	9.650	ppbv	100
10) Heptane	8.13	43	1353224	10.202	ppbv	99
11) Trichlorofluoromethane	3.92	101	1362036	9.252	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	965112	9.367	ppbv	97
13) Ethanol	3.57	45	127839	7.802	ppbv	96
14) Bromoethene	3.70	108	432449	9.719	ppbv	99
15) Acetone	3.82	43	1124010	8.582	ppbv	100
16) 1,3-Butadiene	3.29	39	580726	9.805	ppbv	100
17) tert-Butyl alcohol	4.26	59	1009452	8.000	ppbv	99
18) 1,1-Dichloroethene	4.26	96	455709	9.988	ppbv	99
19) Isopropyl Alcohol	3.93	45	715404	8.650	ppbv #	40
20) Methylene Chloride	4.32	84	395744	9.557	ppbv	98
21) Allyl Chloride	4.38	41	788862	9.378	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	446564	9.647	ppbv	97
23) Vinyl Acetate	5.05	43	1873345	9.683	ppbv	98
24) 1,1-Dichloroethane	4.99	63	1254398	9.672	ppbv	99
25) Ethyl Acetate	5.66	43	2256420	9.670	ppbv	99
26) Hexane	5.67	57	994421	9.897	ppbv	99
27) Carbon Disulfide	4.52	76	1132060	9.929	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1534013	9.176	ppbv	98
29) Chloroform	5.74	83	1490778	9.724	ppbv	97
30) Cyclohexane	7.13	84	832193	9.927	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1026349	9.989	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	1431938	9.586	ppbv	98
34) 2-Butanone	5.22	43	1501776	10.129	ppbv	98
35) Carbon Tetrachloride	7.02	117	1478780	10.657	ppbv	97
36) Benzene	6.89	78	2006988	10.092	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1171477	10.447	ppbv	99
38) Trichloroethene	7.84	130	749427	9.923	ppbv	96
39) 1,2-Dichloropropane	7.62	63	774749	9.833	ppbv	99
40) 1,4-Dioxane	7.83	88	266256	8.948	ppbv #	93
41) Tetrahydrofuran	6.04	42	861814	10.742	ppbv	99
42) Bromodichloromethane	7.80	83	1589708	10.402	ppbv	98
43) Methyl Methacrylate	8.02	69	901637	10.762	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3418869	10.174	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	1020793	10.371	ppbv		99
46) cis-1,3-Dichloropropene	8.71	75	1196289	10.228	ppbv		96
47) 1,1,2-Trichloroethane	9.49	97	821466	10.159	ppbv		96
48) Dibromochloromethane	10.32	129	1329989	10.157	ppbv		99
49) Bromoform	13.07	173	1176043	10.073	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	2224493	10.423	ppbv		100
51) 2-Hexanone	10.15	43	1830290	10.552	ppbv	#	100
52) Tetrachloroethene	11.24	164	712693	9.059	ppbv		98
53) Toluene	9.82	91	2333004	10.159	ppbv		100
54) 1,2-Dibromoethane	10.63	107	1247197	10.247	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.15	131	996501	9.192	ppbv		99
57) Chlorobenzene	12.17	112	1726215	9.141	ppbv		96
58) Ethyl Benzene	12.74	91	3095516	9.471	ppbv		98
59) m/p-Xylene	13.02	91	5069670m	18.515	ppbv		
60) o-Xylene	13.72	91	2498665	9.346	ppbv		99
61) Styrene	13.56	104	1849643	9.858	ppbv		98
62) Isopropylbenzene	14.69	105	3732209	9.232	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	1784333	9.831	ppbv		100
64) n-propylbenzene	15.59	120	978755	9.302	ppbv		92
65) tert-Butylbenzene	16.77	119	3245447m	9.184	ppbv		
66) Benzyl Chloride	17.02	91	1270391	8.621	ppbv		96
67) sec-Butylbenzene	17.33	105	4626021	9.440	ppbv		99
69) p-Isopropyltoluene	17.69	119	3887524	9.461	ppbv		99
70) n-Butylbenzene	18.59	91	4123926	9.837	ppbv		99
71) 2-Chlorotoluene	15.48	91	2906045	9.492	ppbv		98
72) 4-Ethyltoluene	15.87	105	3027853	9.590	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	2842877	9.618	ppbv		96
74) 1,2,4-Trimethylbenzene	16.80	105	2930132	9.623	ppbv		99
75) 1,3-Dichlorobenzene	17.03	146	1688138	9.194	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	1697086	9.262	ppbv		100
77) 1,2-Dichlorobenzene	17.86	146	1655212	9.300	ppbv		98
78) Hexachloro-1,3-Butadiene	23.42	225	1407083	9.466	ppbv		99
79) Naphthalene	22.25	128	2854989	12.022	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	1264007	20.368	ppbv		98
81) 1,2,4-Trichlorobenzene	21.98	180	1645528	10.907	ppbv		100

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

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