Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035722.D
Acq On : 23 Sep 2020 17:47
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations APPROVED
MMDadoda
9/24/2020 1:35:42 PM

Quant Time: Sep 24 09:14:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 2
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1169388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4488974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4686901m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3415752	9.73	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	1738286	9.059	ppbv	99
3) Chlorodifluoromethane	2.99	51	1209769	9.616	ppbv	99
4) Chloromethane	3.14	50	656593	9.716	ppbv	98
5) Vinyl Chloride	3.26	62	783827	9.806	ppbv	99
6) Bromomethane	3.47	94	655713	9.704	ppbv	100
7) Chloroethane	3.56	64	289099	9.861	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2175440	9.348	ppbv	100
9) Propene	3.01	41	463580	10.149	ppbv	99
10) Heptane	8.14	43	1371894	10.773	ppbv	100
11) Trichlorofluoromethane	3.95	101	2599678	9.496	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1947029	9.540	ppbv	100
13) Ethanol	3.61	45	110404	9.801	ppbv	100
14) Bromoethene	3.74	108	860890	10.014	ppbv	100
15) Acetone	3.85	43	1042274	8.283	ppbv	99
16) 1,3-Butadiene	3.33	39	489834	10.641	ppbv	99
17) tert-Butyl alcohol	4.30	59	1515907	11.060	ppbv	99
18) 1,1-Dichloroethene	4.29	96	893722	10.002	ppbv	96
19) Isopropyl Alcohol	3.98	45	797949	11.658	ppbv	99
20) Methylene Chloride	4.35	84	741206	8.019	ppbv	99
21) Allyl Chloride	4.42	41	630549	10.338	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	933587	9.889	ppbv	99
23) Vinyl Acetate	5.09	43	1633767	10.601	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1620085	9.651	ppbv	100
25) Ethyl Acetate	5.69	43	2230439	9.851	ppbv	100
26) Hexane	5.70	57	1241489	10.006	ppbv	99
27) Carbon Disulfide	4.56	76	1969558	10.650	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2069160	10.521	ppbv	99
29) Chloroform	5.77	83	2448841	9.719	ppbv	99
30) Cyclohexane	7.15	84	1354477	11.065	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1309590	10.934	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	2350146	10.581	ppbv	100
34) 2-Butanone	5.26	43	1508480	10.160	ppbv	100
35) Carbon Tetrachloride	7.04	117	2434029	10.400	ppbv	99
36) Benzene	6.91	78	3069822	10.495	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1509596	9.902	ppbv	100
38) Trichloroethene	7.86	130	1545549	10.592	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1063688	10.033	ppbv	98
40) 1,4-Dioxane	7.85	88	530729	10.946	ppbv	95
41) Tetrahydrofuran	6.06	42	864327	11.555	ppbv	99
42) Bromodichloromethane	7.82	83	2535030	10.323	ppbv	99
43) Methyl Methacrylate	8.04	69	1304850	11.217	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4215773	10.044	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1427519	12.154	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1736662	11.995	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1498989	9.871	ppbv	98
48) Dibromochloromethane	10.33	129	2507256	10.848	ppbv	100
49) Bromoform	13.07	173	2220013	11.321	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2277728	10.503	ppbv	99
51) 2-Hexanone	10.16	43	1903961	10.897	ppbv	100
52) Tetrachloroethene	11.25	164	1446090	10.281	ppbv	98
53) Toluene	9.83	91	3852018	11.168	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2339973	10.291	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1939724	9.870	ppbv	98
57) Chlorobenzene	12.18	112	3251716	9.186	ppbv	98
58) Ethyl Benzene	12.74	91	5000632	10.630	ppbv	100
59) m/p-Xylene	13.03	91	8128560m	19.786	ppbv	
60) o-Xylene	13.73	91	4184397	10.069	ppbv	100
61) Styrene	13.56	104	3278352	11.409	ppbv	99
62) Isopropylbenzene	14.70	105	6305383	9.782	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3057856	8.973	ppbv	100
64) n-propylbenzene	15.60	120	1930392	10.233	ppbv	99
65) tert-Butylbenzene	16.78	119	5804464	9.905	ppbv	99
66) Benzyl Chloride	17.03	91	2029839	11.432	ppbv	100
67) sec-Butylbenzene	17.33	105	7757961	9.586	ppbv	100
69) p-Isopropyltoluene	17.69	119	6509411	9.887	ppbv	99
70) n-Butylbenzene	18.59	91	6496184	9.581	ppbv	99
71) 2-Chlorotoluene	15.49	91	4813502	10.238	ppbv	100
72) 4-Ethyltoluene	15.88	105	5098507	10.357	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4742090	10.193	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4964310	9.466	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3280631	9.163	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3281165	9.587	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3190866	9.436	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1699069	9.107	ppbv	100
79) Naphthalene	22.25	128	4779444	9.555	ppbv	99
80) Naphthalene,2-methyl-	25.00	142	1261789	10.695	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2477824	9.559	ppbv	100

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

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