Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035711.D
Acq On : 23 Sep 2020 7:49
Operator : SY/AP
Sample : VSTDICV010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 23 08:20:31 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

Instrument : MSVOA_L
ClientSampleId : ICVVL092320

Manual Integrations APPROVED
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9/24/2020 1:35:26 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1256106	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	4857231	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	4886569m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	3668254	10.02	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1953756	9.479	ppbv		99
3) Chlorodifluoromethane	2.98	51	1298928	9.612	ppbv		99
4) Chloromethane	3.14	50	702835	9.682	ppbv		98
5) Vinyl Chloride	3.25	62	841938	9.805	ppbv		100
6) Bromomethane	3.47	94	696469	9.595	ppbv		99
7) Chloroethane	3.56	64	315462	10.017	ppbv		96
8) Dichlorotetrafluoroethane	3.19	85	2313806	9.256	ppbv		98
9) Propene	3.01	41	511241	10.420	ppbv		99
10) Heptane	8.14	43	1436937	10.505	ppbv		99
11) Trichlorofluoromethane	3.95	101	2680321	9.114	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2012254	9.179	ppbv		99
13) Ethanol	3.61	45	105403	8.711	ppbv		97
14) Bromoethene	3.74	108	933247	10.107	ppbv		100
15) Acetone	3.85	43	1113602	8.239	ppbv		98
16) 1,3-Butadiene	3.32	39	520635	10.529	ppbv		99
17) tert-Butyl alcohol	4.30	59	1621635	11.015	ppbv		99
18) 1,1-Dichloroethene	4.29	96	959117	9.993	ppbv		97
19) Isopropyl Alcohol	3.98	45	771492	10.493	ppbv	#	96
20) Methylene Chloride	4.35	84	799710	8.055	ppbv		98
21) Allyl Chloride	4.41	41	697611	10.648	ppbv		99
22) trans-1,2-Dichloroethene	4.89	96	995689	9.819	ppbv		97
23) Vinyl Acetate	5.08	43	1832215	11.068	ppbv		99
24) 1,1-Dichloroethane	5.02	63	1768051	9.805	ppbv		99
25) Ethyl Acetate	5.69	43	2376554	9.772	ppbv		100
26) Hexane	5.70	57	1327827	9.963	ppbv		99
27) Carbon Disulfide	4.55	76	2133628	10.741	ppbv		100
28) Methyl tert-Butyl Ether	5.04	73	2389559	11.311	ppbv		100
29) Chloroform	5.76	83	2615033	9.662	ppbv		99
30) Cyclohexane	7.14	84	1454533	11.062	ppbv		99
31) cis-1,2-Dichloroethene	5.56	61	1431381	11.126	ppbv		99
32) 1,1,1-Trichloroethane	6.52	97	2540956	10.650	ppbv		100
34) 2-Butanone	5.25	43	1635534	10.180	ppbv		98
35) Carbon Tetrachloride	7.03	117	2585749	10.210	ppbv		99
36) Benzene	6.91	78	3322910	10.499	ppbv		99
37) 1,2-Dichloroethane	6.32	62	1618918	9.814	ppbv		100
38) Trichloroethene	7.85	130	1636593	10.366	ppbv		99
39) 1,2-Dichloropropane	7.63	63	1152706	10.048	ppbv		98
40) 1,4-Dioxane	7.84	88	551104	10.505	ppbv		98
41) Tetrahydrofuran	6.06	42	934827	11.550	ppbv		99
42) Bromodichloromethane	7.81	83	2744304	10.328	ppbv		99
43) Methyl Methacrylate	8.03	69	1410757	11.208	ppbv		99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4458516	9.817	ppbv		99
45) t-1,3-Dichloropropene	9.30	75	1577825	12.415	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	1886940	12.045	ppbv		99
47) 1,1,2-Trichloroethane	9.49	97	1596640	9.717	ppbv		99
48) Dibromochloromethane	10.33	129	2673121	10.689	ppbv		100
49) Bromoform	13.07	173	2347587	11.063	ppbv		100
50) 4-Methyl-2-Pentanone	8.76	43	2397575	10.217	ppbv		99
51) 2-Hexanone	10.15	43	2020078	10.685	ppbv	#	99
52) Tetrachloroethene	11.25	164	1536358	10.094	ppbv		98
53) Toluene	9.82	91	4121516	11.043	ppbv		100
54) 1,2-Dibromoethane	10.63	107	2506101	10.186	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.15	131	2043031	9.971	ppbv		96
57) Chlorobenzene	12.17	112	3418929	9.263	ppbv		98
58) Ethyl Benzene	12.73	91	5309498	10.826	ppbv		100
59) m/p-Xylene	13.02	91	8689173m	20.287	ppbv		
60) o-Xylene	13.72	91	4391564	10.136	ppbv		99
61) Styrene	13.55	104	3486186	11.637	ppbv		99
62) Isopropylbenzene	14.70	105	6606381	9.830	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3196503	8.997	ppbv		100
64) n-propylbenzene	15.59	120	2031767	10.330	ppbv		99
65) tert-Butylbenzene	16.78	119	6043441	9.891	ppbv		99
66) Benzyl Chloride	17.02	91	2175244	11.750	ppbv		99
67) sec-Butylbenzene	17.33	105	8036952	9.525	ppbv		100
69) p-Isopropyltoluene	17.68	119	6772129	9.865	ppbv		99
70) n-Butylbenzene	18.58	91	6697357	9.474	ppbv		100
71) 2-Chlorotoluene	15.48	91	5056637	10.315	ppbv		100
72) 4-Ethyltoluene	15.87	105	5362347	10.448	ppbv		100
73) 1,3,5-Trimethylbenzene	16.03	105	4975713	10.259	ppbv		99
74) 1,2,4-Trimethylbenzene	16.80	105	5154420	9.427	ppbv		98
75) 1,3-Dichlorobenzene	17.03	146	3424544	9.174	ppbv		99
76) 1,4-Dichlorobenzene	17.17	146	3412250	9.563	ppbv		100
77) 1,2-Dichlorobenzene	17.85	146	3326219	9.434	ppbv		100
78) Hexachloro-1,3-Butadiene	23.41	225	1789228	9.198	ppbv		99
79) Naphthalene	22.24	128	5032085	9.649	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	1379455	11.214	ppbv		99
81) 1,2,4-Trichlorobenzene	21.97	180	2612349	9.666	ppbv		100

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

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