Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082020\
Data File : VL035472.D
Acq On : 20 Aug 2020 12:31
Operator : SY/AP
Sample : VL0820ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 21 06:16:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 1
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0820ABS01

Manual Integrations APPROVED
MMDadoda
8/21/2020 11:24:08 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1045418	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4803233	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	5008975m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3438770	9.81	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1741661	8.989	ppbv		98
3) Chlorodifluoromethane	2.98	51	1286526	9.815	ppbv	#	91
4) Chloromethane	3.13	50	681602	9.981	ppbv		95
5) Vinyl Chloride	3.25	62	806934	9.888	ppbv		96
6) Bromomethane	3.47	94	730321	10.232	ppbv		99
7) Chloroethane	3.55	64	305148	10.149	ppbv		91
8) Dichlorotetrafluoroethane	3.18	85	2368389	9.546	ppbv	#	61
9) Propene	3.00	41	503672	9.560	ppbv		100
10) Heptane	8.13	43	1372750	9.937	ppbv	#	78
11) Trichlorofluoromethane	3.94	101	2967282	9.760	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2237387	9.875	ppbv	#	80
13) Ethanol	3.60	45	124984	6.475	ppbv		99
14) Bromoethene	3.73	108	1016526	10.153	ppbv	#	94
15) Acetone	3.84	43	1060567	8.814	ppbv	#	83
16) 1,3-Butadiene	3.32	39	491962	10.082	ppbv	#	65
17) tert-Butyl alcohol	4.29	59	1595991	10.262	ppbv		98
18) 1,1-Dichloroethene	4.29	96	1024940	10.246	ppbv	#	60
19) Isopropyl Alcohol	3.97	45	807006	9.731	ppbv	#	97
20) Methylene Chloride	4.34	84	862159	8.880	ppbv	#	64
21) Allyl Chloride	4.41	41	643776	10.529	ppbv	#	81
22) trans-1,2-Dichloroethene	4.88	96	1086605	10.178	ppbv	#	63
23) Vinyl Acetate	5.07	43	1755534	10.206	ppbv	#	93
24) 1,1-Dichloroethane	5.01	63	1705634	9.936	ppbv	#	94
25) Ethyl Acetate	5.68	43	2232759	9.536	ppbv	#	93
26) Hexane	5.69	57	1272736	9.632	ppbv	#	75
27) Carbon Disulfide	4.55	76	2080400	10.892	ppbv	#	85
28) Methyl tert-Butyl Ether	5.03	73	2379328	9.857	ppbv		91
29) Chloroform	5.75	83	2651551	9.987	ppbv		98
30) Cyclohexane	7.13	84	1495101	10.199	ppbv	#	61
31) cis-1,2-Dichloroethene	5.55	61	1413378	10.170	ppbv	#	64
32) 1,1,1-Trichloroethane	6.52	97	2713571	10.906	ppbv	#	90
34) 2-Butanone	5.24	43	1553965	9.683	ppbv	#	73
35) Carbon Tetrachloride	7.02	117	2903182	11.365	ppbv		99
36) Benzene	6.90	78	3404529	9.657	ppbv	#	93
37) 1,2-Dichloroethane	6.31	62	1632996	10.136	ppbv	#	90
38) Trichloroethene	7.84	130	1907071	9.725	ppbv	#	84
39) 1,2-Dichloropropane	7.62	63	1149609	9.894	ppbv	#	85
40) 1,4-Dioxane	7.84	88	608111	9.608	ppbv	#	25
41) Tetrahydrofuran	6.05	42	900277	10.170	ppbv	#	62
42) Bromodichloromethane	7.80	83	2833343	10.509	ppbv	#	98
43) Methyl Methacrylate	8.02	69	1424732	10.334	ppbv	#	59

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4340915	9.429	ppbv	#	93
45) t-1,3-Dichloropropene	9.29	75	1643461	11.573	ppbv		97
46) cis-1,3-Dichloropropene	8.71	75	1932975	10.926	ppbv	#	75
47) 1,1,2-Trichloroethane	9.48	97	1730734	9.973	ppbv		93
48) Dibromochloromethane	10.32	129	3140411	10.787	ppbv		99
49) Bromoform	13.06	173	3136591	11.184	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	2313415	10.050	ppbv	#	81
51) 2-Hexanone	10.14	43	1990330	10.257	ppbv	#	78
52) Tetrachloroethene	11.24	164	2062595	9.592	ppbv	#	84
53) Toluene	9.82	91	4440936	9.780	ppbv		98
54) 1,2-Dibromoethane	10.62	107	2814231	9.985	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2457328	10.342	ppbv		97
57) Chlorobenzene	12.16	112	3901035	9.330	ppbv	#	82
58) Ethyl Benzene	12.73	91	5846325	9.669	ppbv	#	83
59) m/p-Xylene	13.01	91	9402678m	18.395	ppbv		
60) o-Xylene	13.71	91	4831426	9.726	ppbv		86
61) Styrene	13.55	104	4064978	10.127	ppbv	#	90
62) Isopropylbenzene	14.69	105	7493311	9.204	ppbv	#	87
63) 1,1,2,2-Tetrachloroethane	13.70	83	3401274	9.531	ppbv		97
64) n-propylbenzene	15.58	120	2511362	10.007	ppbv	#	45
65) tert-Butylbenzene	16.77	119	7317720	9.249	ppbv	#	83
66) Benzyl Chloride	17.01	91	2499533	13.133	ppbv	#	89
67) sec-Butylbenzene	17.32	105	9279908	8.912	ppbv	#	83
69) p-Isopropyltoluene	17.68	119	8402455	9.094	ppbv	#	90
70) n-Butylbenzene	18.57	91	8103322	9.285	ppbv	#	90
71) 2-Chlorotoluene	15.47	91	5739792	9.716	ppbv		77
72) 4-Ethyltoluene	15.86	105	6325290	9.702	ppbv	#	91
73) 1,3,5-Trimethylbenzene	16.02	105	5927209	9.771	ppbv	#	81
74) 1,2,4-Trimethylbenzene	16.79	105	6161298	9.348	ppbv	#	91
75) 1,3-Dichlorobenzene	17.02	146	4706972	9.246	ppbv		92
76) 1,4-Dichlorobenzene	17.16	146	4795643	9.559	ppbv		92
77) 1,2-Dichlorobenzene	17.84	146	4722744	9.471	ppbv		92
78) Hexachloro-1,3-Butadiene	23.40	225	3496554	8.869	ppbv		98
79) Naphthalene	22.23	128	8684661	9.356	ppbv		96
80) Naphthalene,2-methyl-	24.99	142	3946574	10.289	ppbv	#	93
81) 1,2,4-Trichlorobenzene	21.96	180	5267788	9.415	ppbv		99

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

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