Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080519\
Data File : VL034088.D
Acq On : 5 Aug 2019 14:01
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 05 14:36:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 0
QLast Update : Mon Aug 05 13:52:58 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Manual Integrations APPROVED
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8/8/2019 12:41:15 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.71	49	1093000	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.24	114	2209600	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.18	117	2312451	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.52	95	1856152	9.08	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 90.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	154525	0.741	ppbv		92
3) Chlorodifluoromethane	2.99	51	133963	1.040	ppbv		98
4) Chloromethane	3.14	50	88762	1.194	ppbv		99
5) Vinyl Chloride	3.26	62	75086	1.020	ppbv	#	88
6) Bromomethane	3.48	94	39379	0.715	ppbv		90
7) Chloroethane	3.57	64	28259	0.796	ppbv		96
8) Dichlorotetrafluoroethane	3.19	85	173638	0.851	ppbv		93
9) Propene	3.01	41	79471	1.598	ppbv		92
10) Heptane	8.19	43	211593	1.536	ppbv		97
11) Trichlorofluoromethane	3.97	101	173685	0.831	ppbv		93
12) 1,1,2-Trichlorotrifluoroet	4.51	101	124500	0.783	ppbv		95
13) Ethanol	3.62	45	25348m	1.257	ppbv		
14) Bromoethene	3.75	108	54104	0.607	ppbv		95
15) Acetone	3.87	43	175581	0.976	ppbv		98
16) 1,3-Butadiene	3.33	39	82663m	1.256	ppbv		
17) tert-Butyl alcohol	4.33	59	160688	1.230	ppbv		97
18) 1,1-Dichloroethene	4.31	96	57631	0.828	ppbv		80
19) Isopropyl Alcohol	3.99	45	137615	1.240	ppbv		94
20) Methylene Chloride	4.37	84	50570m	0.780	ppbv		
21) Allyl Chloride	4.44	41	116322	1.067	ppbv		96
22) trans-1,2-Dichloroethene	4.92	96	53105	0.749	ppbv	#	81
23) Vinyl Acetate	5.11	43	280538	1.513	ppbv	#	97
24) 1,1-Dichloroethane	5.05	63	167154	1.074	ppbv		99
25) Ethyl Acetate	5.73	43	340570	1.280	ppbv		99
26) Hexane	5.73	57	141345	1.173	ppbv		96
27) Carbon Disulfide	4.58	76	142033	0.792	ppbv		95
28) Methyl tert-Butyl Ether	5.08	73	235671	1.303	ppbv		98
29) Chloroform	5.80	83	195384	0.932	ppbv		91
30) Cyclohexane	7.19	84	108876m	1.133	ppbv		
31) cis-1,2-Dichloroethene	5.59	61	137955	1.167	ppbv		95
32) 1,1,1-Trichloroethane	6.57	97	176953	0.801	ppbv		98
34) 2-Butanone	5.29	43	229758	1.815	ppbv		100
35) Carbon Tetrachloride	7.08	117	181495	1.017	ppbv		96
36) Benzene	6.95	78	273023	1.296	ppbv		96
37) 1,2-Dichloroethane	6.36	62	146483	1.066	ppbv		98
38) Trichloroethene	7.91	130	98308m	1.382	ppbv		
39) 1,2-Dichloropropane	7.68	63	113934	1.495	ppbv		94
40) 1,4-Dioxane	7.93	88	46704m	1.600	ppbv		
41) Tetrahydrofuran	6.11	42	133047	1.961	ppbv		99
42) Bromodichloromethane	7.86	83	206477	1.192	ppbv		96
43) Methyl Methacrylate	8.08	69	107374	1.478	ppbv		92

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QLast Update : Mon Aug 05 13:52:58 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.94	57	515932	1.641	ppbv		96
45) t-1,3-Dichloropropene	9.36	75	131000	1.459	ppbv		89
46) cis-1,3-Dichloropropene	8.78	75	158024	1.516	ppbv		96
47) 1,1,2-Trichloroethane	9.56	97	105364	1.284	ppbv		94
48) Dibromochloromethane	10.39	129	164076	1.182	ppbv		99
49) Bromoform	13.14	173	148760	1.237	ppbv		99
50) 4-Methyl-2-Pentanone	8.82	43	351464	1.870	ppbv		98
51) 2-Hexanone	10.23	43	277614	1.916	ppbv	#	97
52) Tetrachloroethene	11.32	164	94213	1.533	ppbv		98
53) Toluene	9.89	91	324118	1.548	ppbv		97
54) 1,2-Dibromoethane	10.70	107	159855	1.313	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.22	131	120095	1.178	ppbv	#	1
57) Chlorobenzene	12.24	112	234466	1.242	ppbv	#	95
58) Ethyl Benzene	12.80	91	449166	1.472	ppbv		94
59) m/p-Xylene	13.09	91	717897m	2.632	ppbv		
60) o-Xylene	13.79	91	362935	1.324	ppbv		97
61) Styrene	13.62	104	272406	1.519	ppbv		98
62) Isopropylbenzene	14.77	105	487932	1.356	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.78	83	254622	1.181	ppbv		99
64) n-propylbenzene	15.66	120	128765m	1.416	ppbv		
65) tert-Butylbenzene	16.85	119	431061	1.335	ppbv		98
66) Benzyl Chloride	17.09	91	222340	1.408	ppbv		100
67) sec-Butylbenzene	17.40	105	624781	1.350	ppbv		95
69) p-Isopropyltoluene	17.75	119	502296	1.333	ppbv		98
70) n-Butylbenzene	18.66	91	554449	1.349	ppbv		95
71) 2-Chlorotoluene	15.56	91	389775	1.464	ppbv		97
72) 4-Ethyltoluene	15.94	105	426917	1.390	ppbv		97
73) 1,3,5-Trimethylbenzene	16.10	105	418634	1.384	ppbv		87
74) 1,2,4-Trimethylbenzene	16.87	105	430888	1.288	ppbv		93
75) 1,3-Dichlorobenzene	17.10	146	235436	1.188	ppbv		99
76) 1,4-Dichlorobenzene	17.25	146	244434m	1.307	ppbv		
77) 1,2-Dichlorobenzene	17.93	146	227739	1.224	ppbv		97
78) Hexachloro-1,3-Butadiene	23.48	225	183171m	1.073	ppbv		
79) Naphthalene	22.33	128	446722m	1.491	ppbv		
80) Naphthalene,2-methyl-	25.07	142	115981	1.009	ppbv		99
81) 1,2,4-Trichlorobenzene	22.06	180	245000	1.322	ppbv		99

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

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