Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022520\
Data File : VL034668.D
Acq On : 25 Feb 2020 11:58
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 25 12:33:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 2
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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2/26/2020 12:38:41 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1183475	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2422560	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2530057	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2034752	9.52	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	332568	1.276	ppbv	92
3) Chlorodifluoromethane	2.95	51	307930	2.153	ppbv	96
4) Chloromethane	3.10	50	187732	2.146	ppbv	99
5) Vinyl Chloride	3.22	62	172633	2.066	ppbv	100
6) Bromomethane	3.44	94	84546m	1.945	ppbv	
7) Chloroethane	3.52	64	63076	2.030	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	398427	1.955	ppbv	100
9) Propene	2.97	41	124180	2.230	ppbv	99
10) Heptane	8.13	43	330650	2.360	ppbv	100
11) Trichlorofluoromethane	3.92	101	399374	1.687	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	262755	1.701	ppbv	96
13) Ethanol	3.58	45	38720	2.596	ppbv	87
14) Bromoethene	3.71	108	119247	1.968	ppbv	99
15) Acetone	3.82	43	362396	2.084	ppbv	96
16) 1,3-Butadiene	3.29	39	147988	2.143	ppbv	96
17) tert-Butyl alcohol	4.27	59	255209	1.995	ppbv	100
18) 1,1-Dichloroethene	4.26	96	127215	1.951	ppbv	77
19) Isopropyl Alcohol	3.95	45	239166	2.356	ppbv #	97
20) Methylene Chloride	4.32	84	129333	1.953	ppbv	92
21) Allyl Chloride	4.39	41	208989	1.935	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	124027	1.816	ppbv	93
23) Vinyl Acetate	5.06	43	423622	2.135	ppbv	98
24) 1,1-Dichloroethane	5.00	63	350550	2.116	ppbv	99
25) Ethyl Acetate	5.67	43	620667	2.204	ppbv	99
26) Hexane	5.68	57	271961	2.306	ppbv	97
27) Carbon Disulfide	4.53	76	302050	1.898	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	396534	1.971	ppbv	98
29) Chloroform	5.74	83	424727	2.037	ppbv	96
30) Cyclohexane	7.14	84	201770	2.309	ppbv	88
31) cis-1,2-Dichloroethene	5.54	61	262274	2.140	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	380049	1.697	ppbv	98
34) 2-Butanone	5.23	43	404829	2.301	ppbv	100
35) Carbon Tetrachloride	7.02	117	392337	1.694	ppbv	97
36) Benzene	6.90	78	512618	2.379	ppbv	99
37) 1,2-Dichloroethane	6.31	62	332451	1.850	ppbv	100
38) Trichloroethene	7.85	130	201004	2.213	ppbv	92
39) 1,2-Dichloropropane	7.63	63	204739	2.292	ppbv	96
40) 1,4-Dioxane	7.86	88	74634m	2.174	ppbv	
41) Tetrahydrofuran	6.05	42	205859	2.243	ppbv	98
42) Bromodichloromethane	7.81	83	427709	1.933	ppbv	90
43) Methyl Methacrylate	8.03	69	195613	2.258	ppbv	99

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Quant Time: Feb 25 12:33:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
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QLast Update : Tue Feb 25 12:01:27 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	954131	2.441	ppbv		98
45) t-1,3-Dichloropropene	9.30	75	225181	1.985	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	270780m	2.100	ppbv		
47) 1,1,2-Trichloroethane	9.49	97	220962	2.284	ppbv		93
48) Dibromochloromethane	10.33	129	343496	1.938	ppbv		100
49) Bromoform	13.07	173	305210	1.961	ppbv		99
50) 4-Methyl-2-Pentanone	8.76	43	556109	2.217	ppbv		100
51) 2-Hexanone	10.16	43	451166	2.285	ppbv	#	99
52) Tetrachloroethene	11.25	164	175303	2.026	ppbv		95
53) Toluene	9.83	91	566212	2.392	ppbv		99
54) 1,2-Dibromoethane	10.64	107	308065	2.125	ppbv		93
56) 1,1,1,2-Tetrachloroethane	12.16	131	239573m	1.918	ppbv		
57) Chlorobenzene	12.18	112	462650	2.222	ppbv		93
58) Ethyl Benzene	12.74	91	793773	2.345	ppbv		100
59) m/p-Xylene	13.02	91	1343257m	4.488	ppbv		
60) o-Xylene	13.73	91	671561	2.234	ppbv		98
61) Styrene	13.56	104	480244	2.396	ppbv		100
62) Isopropylbenzene	14.70	105	885391	2.273	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.71	83	500966	2.155	ppbv		99
64) n-propylbenzene	15.60	120	222889	2.224	ppbv		85
65) tert-Butylbenzene	16.79	119	776937	2.202	ppbv		96
66) Benzyl Chloride	17.03	91	283929	1.919	ppbv		99
67) sec-Butylbenzene	17.34	105	1143816	2.359	ppbv		97
69) p-Isopropyltoluene	17.69	119	920599	2.338	ppbv		98
70) n-Butylbenzene	18.59	91	977777	2.339	ppbv		97
71) 2-Chlorotoluene	15.49	91	691317	2.338	ppbv		99
72) 4-Ethyltoluene	15.88	105	760829	2.304	ppbv		99
73) 1,3,5-Trimethylbenzene	16.03	105	713492	2.212	ppbv		98
74) 1,2,4-Trimethylbenzene	16.80	105	782734	2.192	ppbv		96
75) 1,3-Dichlorobenzene	17.04	146	431654	2.099	ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	438112	2.162	ppbv		97
77) 1,2-Dichlorobenzene	17.87	146	414517	2.098	ppbv		99
78) Hexachloro-1,3-Butadiene	23.43	225	357689m	1.893	ppbv		
79) Naphthalene	22.27	128	599357	2.132	ppbv	#	94
80) Naphthalene,2-methyl-	25.01	142	102868	0.951	ppbv		99
81) 1,2,4-Trichlorobenzene	21.99	180	349179m	2.014	ppbv		

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

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