Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032921.D
Acq On : 7 Dec 2018 4:19
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 07 06:01:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 0
QLast Update : Fri Dec 07 05:41:55 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Manual Integrations APPROVED
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12/11/2018 10:07:59 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1188175	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3221788	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3117268	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.59	95	2282888	10.03	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	359006	2.204	ppbv		99
3) Chlorodifluoromethane	3.02	51	197081	2.126	ppbv		97
4) Chloromethane	3.17	50	111524	2.041	ppbv		93
5) Vinyl Chloride	3.29	62	106403	1.988	ppbv		92
6) Bromomethane	3.52	94	71500	2.061	ppbv		92
7) Chloroethane	3.61	64	39894	1.924	ppbv	#	87
8) Dichlorotetrafluoroethane	3.22	85	284726	2.147	ppbv		99
9) Propene	3.04	41	81396	2.194	ppbv		97
10) Heptane	8.25	43	296768	2.103	ppbv		99
11) Trichlorofluoromethane	4.01	101	319759	1.982	ppbv		98
12) 1,1,2-Trichlorotrifluoroet	4.56	101	276424	2.254	ppbv		98
13) Ethanol	3.66	45	30598	2.436	ppbv		98
14) Bromoethene	3.79	108	87587	1.951	ppbv		99
15) Acetone	3.91	43	232901	2.196	ppbv		97
16) 1,3-Butadiene	3.36	39	93858	2.217	ppbv		94
17) tert-Butyl alcohol	4.38	59	48059	1.632	ppbv	#	82
18) 1,1-Dichloroethene	4.36	96	96309	1.808	ppbv		94
19) Isopropyl Alcohol	4.04	45	134499	1.753	ppbv	#	97
20) Methylene Chloride	4.41	84	92363	1.550	ppbv		97
21) Allyl Chloride	4.48	41	172478	2.205	ppbv		98
22) trans-1,2-Dichloroethene	4.97	96	142081	2.208	ppbv		94
23) Vinyl Acetate	5.16	43	384999	1.926	ppbv		97
24) 1,1-Dichloroethane	5.09	63	319475	2.077	ppbv		99
25) Ethyl Acetate	5.78	43	498187	1.991	ppbv		99
26) Hexane	5.78	57	229484	1.953	ppbv		98
27) Carbon Disulfide	4.62	76	284979	1.918	ppbv		98
28) Methyl tert-Butyl Ether	5.12	73	378898	2.013	ppbv		98
29) Chloroform	5.85	83	414586	2.125	ppbv		99
30) Cyclohexane	7.25	84	199368	2.078	ppbv	#	82
31) cis-1,2-Dichloroethene	5.64	61	224268	2.098	ppbv		98
32) 1,1,1-Trichloroethane	6.62	97	439733	2.013	ppbv		99
34) 2-Butanone	5.34	43	299639	1.879	ppbv		100
35) Carbon Tetrachloride	7.14	117	480966	2.007	ppbv		94
36) Benzene	7.01	78	492085	1.950	ppbv		97
37) 1,2-Dichloroethane	6.42	62	327670	2.019	ppbv		100
38) Trichloroethene	7.96	130	195446	1.944	ppbv		98
39) 1,2-Dichloropropane	7.74	63	182253	1.970	ppbv		92
40) 1,4-Dioxane	7.98	88	70608m	2.021	ppbv		
41) Tetrahydrofuran	6.16	42	184288	2.029	ppbv		98
42) Bromodichloromethane	7.92	83	455700	2.019	ppbv		99
43) Methyl Methacrylate	8.15	69	180080	1.930	ppbv		97

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	855744	2.078	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	206884	1.688	ppbv		92
46) cis-1,3-Dichloropropene	8.84	75	280910	2.022	ppbv		96
47) 1,1,2-Trichloroethane	9.62	97	203668	1.863	ppbv		97
48) Dibromochloromethane	10.45	129	376978	1.866	ppbv		99
49) Bromoform	13.20	173	308760	1.821	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	495047	2.122	ppbv		99
51) 2-Hexanone	10.29	43	319506	1.852	ppbv	#	98
52) Tetrachloroethene	11.38	164	171978	1.821	ppbv		94
53) Toluene	9.95	91	528208	1.847	ppbv		100
54) 1,2-Dibromoethane	10.76	107	322367	1.977	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	282517m	2.006	ppbv		
57) Chlorobenzene	12.31	112	448771	1.928	ppbv		96
58) Ethyl Benzene	12.87	91	726521	2.045	ppbv		99
59) m/p-Xylene	13.13	91	1301459m	4.058	ppbv		
60) o-Xylene	13.86	91	691111	2.206	ppbv		99
61) Styrene	13.69	104	439815	2.102	ppbv		98
62) Isopropylbenzene	14.84	105	909612	2.046	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	494683	2.094	ppbv		100
64) n-propylbenzene	15.72	120	234352	2.091	ppbv		95
65) tert-Butylbenzene	16.92	119	819167	2.148	ppbv		97
66) Benzyl Chloride	17.17	91	451544m	2.233	ppbv		
67) sec-Butylbenzene	17.47	105	1261628	2.333	ppbv		100
69) p-Isopropyltoluene	17.82	119	1052632	2.449	ppbv		98
70) n-Butylbenzene	18.72	91	956081	2.261	ppbv		98
71) 2-Chlorotoluene	15.62	91	686891	2.139	ppbv		99
72) 4-Ethyltoluene	16.01	105	767946	2.323	ppbv		98
73) 1,3,5-Trimethylbenzene	16.16	105	752943	2.364	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	778681	2.248	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	478606	2.359	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	434587	2.287	ppbv		98
77) 1,2-Dichlorobenzene	18.00	146	445708	2.330	ppbv		99
78) Hexachloro-1,3-Butadiene	23.55	225	239839	1.985	ppbv		99
79) Naphthalene	22.42	128	587547	2.869	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	102391	2.237	ppbv		98
81) 1,2,4-Trichlorobenzene	22.15	180	285551	2.644	ppbv		98

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

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