Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
Data File : VL032547.D
Acq On : 25 Sep 2018 16:10
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 26 09:23:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 2
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010EC

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1416207	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3285248	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	3370100m	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2536450	9.98	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	1051209	8.025	ppbv	97
3) Chlorodifluoromethane	3.03	51	1207093	10.249	ppbv	100
4) Chloromethane	3.19	50	696255	10.139	ppbv	99
5) Vinyl Chloride	3.31	62	665758	9.594	ppbv	99
6) Bromomethane	3.53	94	376784	9.929	ppbv	97
7) Chloroethane	3.62	64	243200	9.836	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1419591	9.919	ppbv	100
9) Propene	3.05	41	643526	12.594	ppbv	99
10) Heptane	8.28	43	2014659	10.749	ppbv	99
11) Trichlorofluoromethane	4.02	101	1411228	9.063	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1218631	9.574	ppbv	99
13) Ethanol	3.67	45	133567	8.696	ppbv	95
14) Bromoethene	3.81	108	438630	9.712	ppbv	99
15) Acetone	3.92	43	1203781	9.684	ppbv	100
16) 1,3-Butadiene	3.38	39	556790	11.044	ppbv	94
17) tert-Butyl alcohol	4.38	59	188000	12.035	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	589693	9.892	ppbv	99
19) Isopropyl Alcohol	4.04	45	840073	9.702	ppbv #	98
20) Methylene Chloride	4.43	84	523404	8.695	ppbv	98
21) Allyl Chloride	4.50	41	1043906	10.275	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	574067	10.218	ppbv	98
23) Vinyl Acetate	5.18	43	2488878	11.330	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1807574	9.882	ppbv	100
25) Ethyl Acetate	5.80	43	2972829	9.855	ppbv	100
26) Hexane	5.81	57	1379896	10.128	ppbv	99
27) Carbon Disulfide	4.64	76	1501818	10.253	ppbv	100
28) Methyl tert-Butyl Ether	5.14	73	1946084	11.466	ppbv	98
29) Chloroform	5.88	83	2080630	9.952	ppbv	95
30) Cyclohexane	7.28	84	1235651	11.138	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	1404226	10.821	ppbv	99
32) 1,1,1-Trichloroethane	6.65	97	2000432	8.979	ppbv	99
34) 2-Butanone	5.35	43	2080812	10.636	ppbv	100
35) Carbon Tetrachloride	7.17	117	2107676	9.233	ppbv	99
36) Benzene	7.04	78	2873052	10.821	ppbv	98
37) 1,2-Dichloroethane	6.44	62	1587291	9.920	ppbv	99
38) Trichloroethene	7.99	130	1045422	10.287	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1220878	10.204	ppbv	98
40) 1,4-Dioxane	7.98	88	357434	9.743	ppbv #	1
41) Tetrahydrofuran	6.18	42	1284282	12.083	ppbv	99
42) Bromodichloromethane	7.95	83	2354377	9.822	ppbv	98
43) Methyl Methacrylate	8.17	69	1255146	11.317	ppbv	100

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Quant Time: Sep 26 09:23:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5262494	10.142	ppbv		100
45) t-1,3-Dichloropropene	9.45	75	1666720	12.081	ppbv		100
46) cis-1,3-Dichloropropene	8.87	75	1778591	10.991	ppbv		99
47) 1,1,2-Trichloroethane	9.65	97	1293027	9.730	ppbv		98
48) Dibromochloromethane	10.49	129	2123415	10.162	ppbv		99
49) Bromoform	13.24	173	1582201	9.910	ppbv		100
50) 4-Methyl-2-Pentanone	8.90	43	3059809	9.950	ppbv		99
51) 2-Hexanone	10.30	43	2841075	11.171	ppbv	#	99
52) Tetrachloroethene	11.41	164	903659	9.775	ppbv		97
53) Toluene	9.98	91	3652814	11.290	ppbv		99
54) 1,2-Dibromoethane	10.79	107	1954768	10.342	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.32	131	1401867	9.254	ppbv	#	59
57) Chlorobenzene	12.34	112	2489281	9.169	ppbv		98
58) Ethyl Benzene	12.90	91	4514340	11.043	ppbv		97
59) m/p-Xylene	13.19	91	7316522m	20.116	ppbv		
60) o-Xylene	13.89	91	3614118	10.206	ppbv		100
61) Styrene	13.72	104	2657023	11.470	ppbv		99
62) Isopropylbenzene	14.87	105	5077147	10.138	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2681202	8.523	ppbv		99
64) n-propylbenzene	15.76	120	1294916	10.065	ppbv		96
65) tert-Butylbenzene	16.95	119	4220101	9.832	ppbv		99
66) Benzyl Chloride	17.19	91	2516202	10.171	ppbv		100
67) sec-Butylbenzene	17.50	105	6269868	9.825	ppbv		99
69) p-Isopropyltoluene	17.85	119	4926496	9.995	ppbv		99
70) n-Butylbenzene	18.75	91	5388924	10.009	ppbv		99
71) 2-Chlorotoluene	15.65	91	3951716	10.360	ppbv		99
72) 4-Ethyltoluene	16.04	105	4124700	10.731	ppbv		100
73) 1,3,5-Trimethylbenzene	16.20	105	3929256	10.519	ppbv		97
74) 1,2,4-Trimethylbenzene	16.96	105	3925376	9.760	ppbv		100
75) 1,3-Dichlorobenzene	17.20	146	2139665	8.621	ppbv		99
76) 1,4-Dichlorobenzene	17.34	146	2155739m	9.487	ppbv		
77) 1,2-Dichlorobenzene	18.02	146	2106910	9.027	ppbv		99
78) Hexachloro-1,3-Butadiene	23.58	225	1216300	13.885	ppbv		99
79) Naphthalene	22.45	128	3251869	11.210	ppbv		99
80) Naphthalene,2-methyl-	25.14	142	1061973	15.594	ppbv		98
81) 1,2,4-Trichlorobenzene	22.18	180	1554446	10.455	ppbv		99

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

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