Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\
Data File : VL033769.D
Acq On : 23 May 2019 10:25
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 24 04:42:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 1
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDCCC010

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:53:15 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	923100	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2172776	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2331950	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1833059	9.70	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1540925	7.921	ppbv	99
3) Chlorodifluoromethane	3.01	51	1089649	10.305	ppbv	99
4) Chloromethane	3.16	50	621057	10.269	ppbv	98
5) Vinyl Chloride	3.29	62	631458	10.250	ppbv	99
6) Bromomethane	3.51	94	401313	10.676	ppbv	96
7) Chloroethane	3.60	64	235683	10.765	ppbv	100
8) Dichlorotetrafluoroethane	3.21	85	1620248	10.331	ppbv	100
9) Propene	3.03	41	469768	10.445	ppbv	100
10) Heptane	8.24	43	1329110	10.436	ppbv	99
11) Trichlorofluoromethane	4.00	101	1925431	10.370	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1299456	10.022	ppbv	100
13) Ethanol	3.65	45	77891	5.358	ppbv	94
14) Bromoethene	3.78	108	521055	10.931	ppbv	99
15) Acetone	3.89	43	1192732	9.313	ppbv	99
16) 1,3-Butadiene	3.36	39	557731	10.935	ppbv	100
17) tert-Butyl alcohol	4.35	59	1005431	9.708	ppbv	100
18) 1,1-Dichloroethene	4.34	96	572278	10.457	ppbv	99
19) Isopropyl Alcohol	4.02	45	714696	8.655	ppbv #	98
20) Methylene Chloride	4.40	84	487914	9.894	ppbv	96
21) Allyl Chloride	4.47	41	836459	10.471	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	592722	10.566	ppbv	97
23) Vinyl Acetate	5.15	43	1832933	10.854	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1297273	10.106	ppbv	99
25) Ethyl Acetate	5.76	43	2242405	9.967	ppbv	100
26) Hexane	5.77	57	977826	10.110	ppbv	98
27) Carbon Disulfide	4.62	76	1464063	11.033	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1633418	10.359	ppbv	100
29) Chloroform	5.84	83	1681235	9.436	ppbv	99
30) Cyclohexane	7.24	84	828360	10.187	ppbv	100
31) cis-1,2-Dichloroethene	5.63	61	1012836	10.561	ppbv	98
32) 1,1,1-Trichloroethane	6.61	97	1714145	9.636	ppbv	99
34) 2-Butanone	5.32	43	1449680	10.764	ppbv	100
35) Carbon Tetrachloride	7.13	117	1848489	10.620	ppbv	99
36) Benzene	7.00	78	2012766	10.184	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1303952	10.227	ppbv	100
38) Trichloroethene	7.96	130	859197	11.715	ppbv	98
39) 1,2-Dichloropropane	7.73	63	774767	10.514	ppbv	96
40) 1,4-Dioxane	7.95	88	285057	9.248	ppbv #	95
41) Tetrahydrofuran	6.14	42	804665	10.664	ppbv	100
42) Bromodichloromethane	7.91	83	1930909	11.062	ppbv	95
43) Methyl Methacrylate	8.13	69	858066	11.797	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3619903	10.837	ppbv		99
45) t-1,3-Dichloropropene	9.41	75	1098798	11.916	ppbv		99
46) cis-1,3-Dichloropropene	8.83	75	1240409	11.488	ppbv		96
47) 1,1,2-Trichloroethane	9.61	97	857275	10.241	ppbv		99
48) Dibromochloromethane	10.44	129	1565762	10.795	ppbv		99
49) Bromoform	13.19	173	1502761	12.313	ppbv		99
50) 4-Methyl-2-Pentanone	8.86	43	2195384	10.598	ppbv		100
51) 2-Hexanone	10.26	43	1805609	11.168	ppbv	#	99
52) Tetrachloroethene	11.36	164	770616	11.092	ppbv		97
53) Toluene	9.94	91	2378312	11.156	ppbv		100
54) 1,2-Dibromoethane	10.75	107	1341486	10.501	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.27	131	1065694	9.876	ppbv		98
57) Chlorobenzene	12.29	112	1866034	9.721	ppbv		97
58) Ethyl Benzene	12.86	91	3334144	10.797	ppbv		100
59) m/p-Xylene	13.14	91	5845864m	21.656	ppbv		
60) o-Xylene	13.84	91	2861613	10.516	ppbv		99
61) Styrene	13.68	104	2133650	11.646	ppbv		99
62) Isopropylbenzene	14.82	105	3787529	10.335	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2023144	10.223	ppbv		99
64) n-propylbenzene	15.72	120	980681	10.345	ppbv		98
65) tert-Butylbenzene	16.90	119	3493004	10.440	ppbv		99
66) Benzyl Chloride	17.15	91	1784288	11.196	ppbv		100
67) sec-Butylbenzene	17.45	105	4857591	10.372	ppbv		99
69) p-Isopropyltoluene	17.81	119	3984052	10.293	ppbv		99
70) n-Butylbenzene	18.70	91	4104946	9.889	ppbv		100
71) 2-Chlorotoluene	15.60	91	2876777	10.581	ppbv		100
72) 4-Ethyltoluene	15.99	105	3320633	10.673	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3178390	10.470	ppbv		97
74) 1,2,4-Trimethylbenzene	16.92	105	3337283	10.101	ppbv		98
75) 1,3-Dichlorobenzene	17.15	146	1922302	9.495	ppbv		100
76) 1,4-Dichlorobenzene	17.30	146	1882628	9.784	ppbv		100
77) 1,2-Dichlorobenzene	17.98	146	1848194	9.715	ppbv		99
78) Hexachloro-1,3-Butadiene	23.53	225	1375554	9.564	ppbv		99
79) Naphthalene	22.40	128	2784591	9.074	ppbv		99
80) Naphthalene,2-methyl-	25.10	142	1237710	10.615	ppbv		99
81) 1,2,4-Trichlorobenzene	22.12	180	1568916	8.731	ppbv		99

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

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