Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
Data File : VL034280.D
Acq On : 14 Oct 2019 13:19
Operator : SY/AP
Sample : VL1014ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1014ABS01

Manual Integrations APPROVED
MMDadoda
10/16/2019 12:59:15 AM

Quant Time: Oct 15 07:06:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1019846	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1796758	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1905278	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1615071	9.76	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1784469	11.846	ppbv	98
3) Chlorodifluoromethane	2.97	51	1160390	9.704	ppbv	98
4) Chloromethane	3.12	50	701820	9.988	ppbv	97
5) Vinyl Chloride	3.24	62	637152	9.922	ppbv	100
6) Bromomethane	3.46	94	305898	10.210	ppbv	94
7) Chloroethane	3.55	64	232145	10.342	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1367829	10.288	ppbv	98
9) Propene	2.99	41	552245	9.361	ppbv	100
10) Heptane	8.17	43	1465954	9.534	ppbv	100
11) Trichlorofluoromethane	3.94	101	1446389	10.548	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	962761	10.729	ppbv	100
13) Ethanol	3.60	45	123125	8.619	ppbv	100
14) Bromoethene	3.73	108	401414	10.941	ppbv	100
15) Acetone	3.84	43	1211870	8.866	ppbv	99
16) 1,3-Butadiene	3.31	39	609433	10.217	ppbv	99
17) tert-Butyl alcohol	4.29	59	956464	11.044	ppbv	100
18) 1,1-Dichloroethene	4.29	96	430702	11.004	ppbv	93
19) Isopropyl Alcohol	3.97	45	851588	10.131	ppbv	100
20) Methylene Chloride	4.35	84	395834	10.044	ppbv	96
21) Allyl Chloride	4.41	41	840190	10.883	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	434028	11.083	ppbv	99
23) Vinyl Acetate	5.09	43	1950904	9.686	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1344523	9.914	ppbv	99
25) Ethyl Acetate	5.70	43	2458228	9.511	ppbv	100
26) Hexane	5.71	57	1039530	9.668	ppbv	99
27) Carbon Disulfide	4.56	76	1152573	11.623	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	1679021	10.514	ppbv	98
29) Chloroform	5.78	83	1527893	9.944	ppbv	100
30) Cyclohexane	7.17	84	776835	10.007	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1094057	9.982	ppbv	97
32) 1,1,1-Trichloroethane	6.54	97	1514249	10.219	ppbv	98
34) 2-Butanone	5.26	43	1654417	9.018	ppbv	99
35) Carbon Tetrachloride	7.06	117	1492439	9.998	ppbv	99
36) Benzene	6.93	78	1865072	9.399	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1381775	9.790	ppbv	100
38) Trichloroethene	7.88	130	648491	9.146	ppbv	96
39) 1,2-Dichloropropane	7.66	63	823461	9.236	ppbv	95
40) 1,4-Dioxane	7.87	88	301554m	10.451	ppbv	
41) Tetrahydrofuran	6.07	42	962527	9.315	ppbv	98
42) Bromodichloromethane	7.84	83	1705386	10.068	ppbv	99
43) Methyl Methacrylate	8.06	69	816709	9.963	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3504670	9.174	ppbv	99
45) t-1,3-Dichloropropene	9.33	75	1078306	11.125	ppbv	95
46) cis-1,3-Dichloropropene	8.76	75	1223297	10.492	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	758490	9.474	ppbv	96
48) Dibromochloromethane	10.37	129	1285428	10.130	ppbv	99
49) Bromoform	13.11	173	1067042	10.391	ppbv	98
50) 4-Methyl-2-Pentanone	8.79	43	2431651	9.107	ppbv	99
51) 2-Hexanone	10.19	43	2030359	9.061	ppbv	99
52) Tetrachloroethene	11.29	164	581065	8.863	ppbv	97
53) Toluene	9.87	91	2077287	9.578	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1145320	9.619	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.19	131	838282	9.866	ppbv	97
57) Chlorobenzene	12.22	112	1485862	8.957	ppbv	100
58) Ethyl Benzene	12.78	91	2857657	9.295	ppbv	99
59) m/p-Xylene	13.06	91	4669719m	18.339	ppbv	
60) o-Xylene	13.76	91	2346762	9.217	ppbv	98
61) Styrene	13.60	104	1704265	9.345	ppbv	100
62) Isopropylbenzene	14.74	105	3040651	9.225	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1675012	8.023	ppbv	100
64) n-propylbenzene	15.64	120	781314	9.370	ppbv	93
65) tert-Butylbenzene	16.82	119	2587128	8.983	ppbv	99
66) Benzyl Chloride	17.07	91	1266079	12.426	ppbv	100
67) sec-Butylbenzene	17.37	105	3750400	9.107	ppbv	98
69) p-Isopropyltoluene	17.73	119	3030554	9.088	ppbv	99
70) n-Butylbenzene	18.63	91	3443058	8.867	ppbv	99
71) 2-Chlorotoluene	15.53	91	2438045	9.053	ppbv	100
72) 4-Ethyltoluene	15.91	105	2711824m	9.427	ppbv	
73) 1,3,5-Trimethylbenzene	16.08	105	2551849	9.182	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2606598	8.834	ppbv	97
75) 1,3-Dichlorobenzene	17.08	146	1394518	8.808	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1407790	8.683	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1375570	8.584	ppbv	98
78) Hexachloro-1,3-Butadiene	23.46	225	968125	9.122	ppbv	99
79) Naphthalene	22.31	128	2256056	8.685	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	880209	7.286	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1237881	8.602	ppbv	100

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

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