Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
Data File : VL034253.D
Acq On : 8 Oct 2019 17:16
Operator : SY/AP
Sample : VL1008ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 09 05:35:50 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

Instrument : MSVOA_L
ClientSampleId : VL1008ABS01

Manual Integrations APPROVED
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10/11/2019 5:07:02 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1025239	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1773575	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1870478	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1640075	10.09	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1786029	11.794	ppbv	99
3) Chlorodifluoromethane	2.97	51	1208027	10.049	ppbv	99
4) Chloromethane	3.12	50	712874	10.091	ppbv	99
5) Vinyl Chloride	3.24	62	649931	10.067	ppbv	99
6) Bromomethane	3.46	94	313760	10.417	ppbv	94
7) Chloroethane	3.55	64	237799	10.538	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1372528	10.269	ppbv	99
9) Propene	2.99	41	570903	9.626	ppbv	100
10) Heptane	8.17	43	1519122	9.828	ppbv	99
11) Trichlorofluoromethane	3.95	101	1480700	10.741	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	948557	10.515	ppbv	99
13) Ethanol	3.59	45	119401	8.314	ppbv	96
14) Bromoethene	3.73	108	399477	10.831	ppbv	99
15) Acetone	3.84	43	1251599	9.108	ppbv	98
16) 1,3-Butadiene	3.31	39	635881	10.604	ppbv	100
17) tert-Butyl alcohol	4.29	59	923037	10.602	ppbv	100
18) 1,1-Dichloroethene	4.29	96	426396	10.837	ppbv	96
19) Isopropyl Alcohol	3.96	45	818835	9.691	ppbv	99
20) Methylene Chloride	4.35	84	409270	10.330	ppbv	91
21) Allyl Chloride	4.41	41	855112	11.018	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	442230	11.233	ppbv	98
23) Vinyl Acetate	5.09	43	2016628	9.959	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1354581	9.935	ppbv	100
25) Ethyl Acetate	5.70	43	2521695	9.705	ppbv	100
26) Hexane	5.71	57	1058244	9.791	ppbv	99
27) Carbon Disulfide	4.56	76	1151176	11.548	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1640457	10.219	ppbv	99
29) Chloroform	5.78	83	1577824	10.215	ppbv	99
30) Cyclohexane	7.17	84	776096	9.945	ppbv	100
31) cis-1,2-Dichloroethene	5.57	61	1133565	10.288	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1514082	10.164	ppbv	100
34) 2-Butanone	5.26	43	1726245	9.532	ppbv	99
35) Carbon Tetrachloride	7.06	117	1551439	10.529	ppbv	98
36) Benzene	6.93	78	1888968	9.643	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1426708	10.240	ppbv	99
38) Trichloroethene	7.89	130	654740	9.355	ppbv	96
39) 1,2-Dichloropropane	7.66	63	829686	9.427	ppbv	96
40) 1,4-Dioxane	7.87	88	282566	9.921	ppbv #	89
41) Tetrahydrofuran	6.08	42	992093	9.727	ppbv	99
42) Bromodichloromethane	7.84	83	1732479	10.361	ppbv	98
43) Methyl Methacrylate	8.06	69	830365	10.262	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3569148	9.465	ppbv	100
45) t-1,3-Dichloropropene	9.34	75	1104696	11.546	ppbv	98
46) cis-1,3-Dichloropropene	8.76	75	1233793	10.720	ppbv	98
47) 1,1,2-Trichloroethane	9.54	97	761776	9.639	ppbv	93
48) Dibromochloromethane	10.37	129	1299803	10.377	ppbv	99
49) Bromoform	13.12	173	1067936	10.536	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2527957	9.592	ppbv	99
51) 2-Hexanone	10.19	43	2128958	9.625	ppbv	98
52) Tetrachloroethene	11.29	164	576356	8.906	ppbv	86
53) Toluene	9.86	91	2083002	9.730	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1146587	9.756	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.19	131	857036	10.274	ppbv	99
57) Chlorobenzene	12.22	112	1523628	9.356	ppbv	98
58) Ethyl Benzene	12.78	91	2878140	9.536	ppbv	98
59) m/p-Xylene	13.07	91	4776718m	19.108	ppbv	
60) o-Xylene	13.77	91	2409563	9.640	ppbv	98
61) Styrene	13.60	104	1727258	9.647	ppbv	99
62) Isopropylbenzene	14.74	105	3086670	9.539	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1753038	8.553	ppbv	98
64) n-propylbenzene	15.64	120	768080	9.382	ppbv	87
65) tert-Butylbenzene	16.83	119	2643197	9.349	ppbv	100
66) Benzyl Chloride	17.07	91	1287144	12.868	ppbv	98
67) sec-Butylbenzene	17.38	105	3826785	9.465	ppbv	98
69) p-Isopropyltoluene	17.73	119	3084079	9.421	ppbv	100
70) n-Butylbenzene	18.63	91	3524671	9.246	ppbv	98
71) 2-Chlorotoluene	15.54	91	2494396	9.435	ppbv	100
72) 4-Ethyltoluene	15.91	105	2705768	9.581	ppbv	99
73) 1,3,5-Trimethylbenzene	16.08	105	2622689	9.613	ppbv	97
74) 1,2,4-Trimethylbenzene	16.84	105	2673815	9.230	ppbv	95
75) 1,3-Dichlorobenzene	17.08	146	1395766	8.980	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1426547	8.962	ppbv	100
77) 1,2-Dichlorobenzene	17.91	146	1404072	8.925	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	961241	9.225	ppbv	99
79) Naphthalene	22.30	128	2245940	8.806	ppbv	97
80) Naphthalene,2-methyl-	25.05	142	931627	7.855	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1250345	8.850	ppbv	99

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

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