Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100219\
Data File : VL034207.D
Acq On : 2 Oct 2019 11:53
Operator : SY/AP
Sample : VL1002ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1002ABS01

Manual Integrations APPROVED
MMDadoda
10/7/2019 12:29:14 PM

Quant Time: Oct 03 06:01:05 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	5.70	49	1088805	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1879563	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1981469	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1721721	10.00	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1323088	8.227	ppbv	98
3) Chlorodifluoromethane	2.97	51	1267001	9.925	ppbv	100
4) Chloromethane	3.12	50	771208	10.280	ppbv	100
5) Vinyl Chloride	3.24	62	674023	9.831	ppbv	97
6) Bromomethane	3.46	94	322331	10.077	ppbv	96
7) Chloroethane	3.55	64	242684	10.127	ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1400553	9.867	ppbv	99
9) Propene	2.99	41	627793	9.967	ppbv	100
10) Heptane	8.17	43	1644044	10.015	ppbv	100
11) Trichlorofluoromethane	3.95	101	1480329	10.112	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	976263	10.190	ppbv	100
13) Ethanol	3.60	45	127493	8.359	ppbv	99
14) Bromoethene	3.74	108	409304	10.449	ppbv	98
15) Acetone	3.84	43	1293616	8.865	ppbv	99
16) 1,3-Butadiene	3.31	39	671064	10.537	ppbv	99
17) tert-Butyl alcohol	4.30	59	1092904	11.820	ppbv	99
18) 1,1-Dichloroethene	4.29	96	443875	10.622	ppbv	90
19) Isopropyl Alcohol	3.97	45	972312	10.835	ppbv	100
20) Methylene Chloride	4.35	84	402932	9.577	ppbv	95
21) Allyl Chloride	4.42	41	886780	10.759	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	431614	10.324	ppbv	99
23) Vinyl Acetate	5.09	43	2158254	10.036	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1430733	9.881	ppbv	98
25) Ethyl Acetate	5.70	43	2645380	9.586	ppbv	99
26) Hexane	5.71	57	1120360	9.760	ppbv	100
27) Carbon Disulfide	4.56	76	1205229	11.384	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1745836	10.240	ppbv	100
29) Chloroform	5.78	83	1630307	9.939	ppbv	99
30) Cyclohexane	7.18	84	850600	10.264	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1179564	10.080	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1582375	10.003	ppbv	99
34) 2-Butanone	5.27	43	1839533	9.585	ppbv	100
35) Carbon Tetrachloride	7.07	117	1549626	9.924	ppbv	99
36) Benzene	6.94	78	2017689	9.720	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1486154	10.065	ppbv	100
38) Trichloroethene	7.89	130	686412	9.254	ppbv	98
39) 1,2-Dichloropropane	7.66	63	896523	9.612	ppbv	98
40) 1,4-Dioxane	7.88	88	302194m	10.012	ppbv	
41) Tetrahydrofuran	6.08	42	1095890	10.139	ppbv	99
42) Bromodichloromethane	7.84	83	1800615	10.162	ppbv	99
43) Methyl Methacrylate	8.06	69	892786	10.411	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 1
QLast Update : Wed Sep 18 12:53:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3804795	9.521	ppbv		99
45) t-1,3-Dichloropropene	9.34	75	1188092	11.718	ppbv		96
46) cis-1,3-Dichloropropene	8.76	75	1324078	10.856	ppbv		98
47) 1,1,2-Trichloroethane	9.54	97	826427m	9.868	ppbv		
48) Dibromochloromethane	10.38	129	1355140	10.209	ppbv		99
49) Bromoform	13.12	173	1114540	10.375	ppbv		99
50) 4-Methyl-2-Pentanone	8.80	43	2693828	9.645	ppbv		99
51) 2-Hexanone	10.19	43	2296340	9.797	ppbv	#	99
52) Tetrachloroethene	11.30	164	618502	9.018	ppbv		97
53) Toluene	9.87	91	2232139	9.839	ppbv		100
54) 1,2-Dibromoethane	10.68	107	1219981	9.795	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.20	131	885179	10.017	ppbv		98
57) Chlorobenzene	12.22	112	1579342	9.155	ppbv		99
58) Ethyl Benzene	12.79	91	3074018	9.615	ppbv		99
59) m/p-Xylene	13.07	91	5099667m	19.258	ppbv		
60) o-Xylene	13.77	91	2482180	9.374	ppbv		99
61) Styrene	13.61	104	1841458	9.709	ppbv		99
62) Isopropylbenzene	14.75	105	3216196	9.383	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1834120	8.447	ppbv		98
64) n-propylbenzene	15.64	120	828175	9.550	ppbv		93
65) tert-Butylbenzene	16.83	119	2734930m	9.131	ppbv		
66) Benzyl Chloride	17.08	91	1346287	12.705	ppbv		98
67) sec-Butylbenzene	17.38	105	3949033	9.221	ppbv		99
69) p-Isopropyltoluene	17.74	119	3192260	9.205	ppbv		100
70) n-Butylbenzene	18.63	91	3645840	9.028	ppbv		99
71) 2-Chlorotoluene	15.54	91	2609555	9.318	ppbv		100
72) 4-Ethyltoluene	15.92	105	2854079	9.540	ppbv		99
73) 1,3,5-Trimethylbenzene	16.08	105	2720713	9.414	ppbv		97
74) 1,2,4-Trimethylbenzene	16.85	105	2714205	8.844	ppbv		98
75) 1,3-Dichlorobenzene	17.09	146	1469596	8.926	ppbv		99
76) 1,4-Dichlorobenzene	17.23	146	1492872	8.853	ppbv		99
77) 1,2-Dichlorobenzene	17.91	146	1471826	8.832	ppbv		99
78) Hexachloro-1,3-Butadiene	23.46	225	956617	8.667	ppbv		98
79) Naphthalene	22.31	128	2450817	9.071	ppbv	#	95
80) Naphthalene,2-methyl-	25.05	142	569796	4.535	ppbv		97
81) 1,2,4-Trichlorobenzene	22.04	180	1330425	8.890	ppbv		99

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

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