Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032650.D
Acq On : 17 Oct 2018 21:20
Operator : SY/AP
Sample : VL1017ABS01DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 18 11:10:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 1
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL1017ABS01DUP

Manual Integrations APPROVED
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10/19/2018 4:36:43 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.78	49	1233982	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.32	114	2671441	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.26	117	2835337m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.60	95	2094074	9.81	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	837175	9.17	ppbv		98
3) Chlorodifluoromethane	3.03	51	951655	9.22	ppbv		99
4) Chloromethane	3.18	50	534178	9.48	ppbv		99
5) Vinyl Chloride	3.30	62	548348	9.66	ppbv		99
6) Bromomethane	3.53	94	339116	9.45	ppbv		96
7) Chloroethane	3.61	64	211914	9.53	ppbv		97
8) Dichlorotetrafluoroethane	3.23	85	1264702	9.09	ppbv		99
9) Propene	3.05	41	378692	10.00	ppbv		98
10) Heptane	8.26	43	1557374	10.99	ppbv		99
11) Trichlorofluoromethane	4.02	101	1516384	9.57	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1071130	9.23	ppbv		99
13) Ethanol	3.66	45	113990	9.73	ppbv		98
14) Bromoethene	3.80	108	456503	10.75	ppbv		98
15) Acetone	3.92	43	1096482	9.98	ppbv		99
16) 1,3-Butadiene	3.38	39	431553	10.61	ppbv		90
17) tert-Butyl alcohol	4.37	59	111309	11.11	ppbv	#	100
18) 1,1-Dichloroethene	4.37	96	582894	11.14	ppbv		93
19) Isopropyl Alcohol	4.04	45	791339	10.20	ppbv		99
20) Methylene Chloride	4.43	84	513137	10.43	ppbv		95
21) Allyl Chloride	4.49	41	859233	10.43	ppbv		99
22) trans-1,2-Dichloroethene	4.98	96	581654	9.62	ppbv		95
23) Vinyl Acetate	5.17	43	1932482	11.06	ppbv		99
24) 1,1-Dichloroethane	5.11	63	1564666	9.66	ppbv		99
25) Ethyl Acetate	5.79	43	2677069	10.30	ppbv		100
26) Hexane	5.80	57	1234864	10.55	ppbv		98
27) Carbon Disulfide	4.64	76	1400008	9.90	ppbv		98
28) Methyl tert-Butyl Ether	5.13	73	1586759	10.79	ppbv		99
29) Chloroform	5.87	83	1980693	9.66	ppbv		97
30) Cyclohexane	7.27	84	1019231	11.04	ppbv		100
31) cis-1,2-Dichloroethene	5.66	61	1137499	10.12	ppbv		96
32) 1,1,1-Trichloroethane	6.64	97	1901982	9.29	ppbv		99
34) 2-Butanone	5.35	43	1716853	11.58	ppbv		99
35) Carbon Tetrachloride	7.16	117	2018006	9.75	ppbv		98
36) Benzene	7.03	78	2465689	11.39	ppbv		99
37) 1,2-Dichloroethane	6.43	62	1565149	10.54	ppbv		100
38) Trichloroethene	7.98	130	905242	11.12	ppbv		97
39) 1,2-Dichloropropane	7.76	63	979974	11.13	ppbv		97
40) 1,4-Dioxane	7.97	88	359892	11.83	ppbv	#	97
41) Tetrahydrofuran	6.17	42	971006	12.34	ppbv		100
42) Bromodichloromethane	7.94	83	2169498	10.72	ppbv		98
43) Methyl Methacrylate	8.16	69	1040471	12.39	ppbv		100

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4339378	11.30	ppbv		100
45) t-1,3-Dichloropropene	9.43	75	1443724	13.15	ppbv		100
46) cis-1,3-Dichloropropene	8.86	75	1544830	12.36	ppbv		99
47) 1,1,2-Trichloroethane	9.64	97	1103153	10.48	ppbv		98
48) Dibromochloromethane	10.48	129	1899216	10.62	ppbv		99
49) Bromoform	13.23	173	1447513	10.71	ppbv		99
50) 4-Methyl-2-Pentanone	8.89	43	2506246	11.48	ppbv		100
51) 2-Hexanone	10.29	43	2193692	12.78	ppbv		99
52) Tetrachloroethene	11.40	164	829047	11.63	ppbv		98
53) Toluene	9.97	91	3074491	12.45	ppbv		99
54) 1,2-Dibromoethane	10.78	107	1682555	11.16	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1229286	9.44	ppbv		99
57) Chlorobenzene	12.33	112	2119967	9.83	ppbv	#	96
58) Ethyl Benzene	12.89	91	3857106	12.11	ppbv		98
59) m/p-Xylene	13.17	91	6300634m	22.17	ppbv		
60) o-Xylene	13.87	91	3128459	11.05	ppbv		98
61) Styrene	13.71	104	2227503	12.98	ppbv		98
62) Isopropylbenzene	14.85	105	4377756	10.85	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2344277	9.38	ppbv		100
64) n-propylbenzene	15.75	120	1114338	10.90	ppbv		96
65) tert-Butylbenzene	16.93	119	3689372	10.78	ppbv		98
66) Benzyl Chloride	17.18	91	2155928	11.17	ppbv		99
67) sec-Butylbenzene	17.48	105	5483733	10.64	ppbv		99
69) p-Isopropyltoluene	17.84	119	4365899	11.19	ppbv		99
70) n-Butylbenzene	18.74	91	4757633	11.07	ppbv		100
71) 2-Chlorotoluene	15.64	91	3464328	11.61	ppbv		100
72) 4-Ethyltoluene	16.02	105	3544078	11.57	ppbv		99
73) 1,3,5-Trimethylbenzene	16.18	105	3415940	11.22	ppbv		99
74) 1,2,4-Trimethylbenzene	16.95	105	3481400	10.38	ppbv	#	91
75) 1,3-Dichlorobenzene	17.19	146	1886825	9.68	ppbv		99
76) 1,4-Dichlorobenzene	17.33	146	1856840	10.46	ppbv		99
77) 1,2-Dichlorobenzene	18.01	146	1872754	10.00	ppbv		100
78) Hexachloro-1,3-Butadiene	23.57	225	735441	7.01	ppbv		100
79) Naphthalene	22.44	128	2847227	12.49	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	750992	10.17	ppbv		99
81) 1,2,4-Trichlorobenzene	22.16	180	1325640	11.71	ppbv		99

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

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