Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL011619\
Data File : VL033111.D
Acq On : 17 Jan 2019 3:50
Operator : SY/AP
Sample : IDOC-4
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 17 04:30:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jan 0
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : IDOC-4

Manual Integrations APPROVED
sam
1/21/2019 8:51:21 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1123789	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2855721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2894795m	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2046933	9.22	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	2330071	11.141	ppbv	99
3) Chlorodifluoromethane	3.01	51	1308040	10.283	ppbv	97
4) Chloromethane	3.17	50	727355	9.983	ppbv	97
5) Vinyl Chloride	3.29	62	738051	10.030	ppbv	97
6) Bromomethane	3.51	94	476695	9.536	ppbv	99
7) Chloroethane	3.60	64	279136	9.700	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1815304	10.077	ppbv	99
9) Propene	3.04	41	544622	11.460	ppbv	99
10) Heptane	8.25	43	1366480	10.099	ppbv	100
11) Trichlorofluoromethane	4.00	101	1926815	8.338	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1342872	9.190	ppbv	100
13) Ethanol	3.64	45	102368	5.402	ppbv	92
14) Bromoethene	3.79	108	611246	9.471	ppbv	99
15) Acetone	3.90	43	1430423	9.196	ppbv	99
16) 1,3-Butadiene	3.36	39	577098	9.839	ppbv	93
17) tert-Butyl alcohol	4.36	59	287381	8.722	ppbv	100
18) 1,1-Dichloroethene	4.35	96	616453	9.158	ppbv	97
19) Isopropyl Alcohol	4.02	45	740074	6.911	ppbv	100
20) Methylene Chloride	4.41	84	525229	8.100	ppbv	96
21) Allyl Chloride	4.48	41	984515	10.214	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	618264	9.266	ppbv	96
23) Vinyl Acetate	5.15	43	2046469	10.342	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1519266	9.043	ppbv	99
25) Ethyl Acetate	5.77	43	2407172	9.155	ppbv	99
26) Hexane	5.78	57	1144276	9.243	ppbv	98
27) Carbon Disulfide	4.62	76	1555213	10.186	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1915949	9.915	ppbv	100
29) Chloroform	5.85	83	1867831	8.853	ppbv	100
30) Cyclohexane	7.25	84	979995	10.616	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1162180	10.109	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1979431	9.244	ppbv	100
34) 2-Butanone	5.33	43	1525548	9.194	ppbv	100
35) Carbon Tetrachloride	7.13	117	2155604	8.788	ppbv	98
36) Benzene	7.00	78	2339856	10.003	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1458512	8.930	ppbv	100
38) Trichloroethene	7.96	130	965370	10.032	ppbv	98
39) 1,2-Dichloropropane	7.74	63	852876	9.705	ppbv	97
40) 1,4-Dioxane	7.95	88	310434	9.306	ppbv	96
41) Tetrahydrofuran	6.15	42	876513	10.379	ppbv	99
42) Bromodichloromethane	7.92	83	2012568	8.970	ppbv	98
43) Methyl Methacrylate	8.14	69	910520	10.373	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3814482	9.629	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1223605	11.199	ppbv		97
46) cis-1,3-Dichloropropene	8.83	75	1431644	11.480	ppbv		98
47) 1,1,2-Trichloroethane	9.61	97	935322	9.110	ppbv		98
48) Dibromochloromethane	10.45	129	1732778	9.552	ppbv		100
49) Bromoform	13.20	173	1377644	8.692	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2150372	10.228	ppbv		100
51) 2-Hexanone	10.27	43	1611504	10.593	ppbv	#	99
52) Tetrachloroethene	11.37	164	816833	9.879	ppbv		96
53) Toluene	9.95	91	2665601	10.633	ppbv		99
54) 1,2-Dibromoethane	10.76	107	1450124	9.803	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1211596	8.100	ppbv		98
57) Chlorobenzene	12.30	112	2024318	8.378	ppbv		99
58) Ethyl Benzene	12.86	91	3530021	9.658	ppbv		100
59) m/p-Xylene	13.15	91	5936143m	17.557	ppbv		
60) o-Xylene	13.85	91	2849962	8.610	ppbv		100
61) Styrene	13.69	104	2116874	10.023	ppbv		100
62) Isopropylbenzene	14.83	105	4022140	8.539	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1895510	7.709	ppbv		99
64) n-propylbenzene	15.72	120	1000815	8.363	ppbv		98
65) tert-Butylbenzene	16.91	119	3514783	8.424	ppbv		100
66) Benzyl Chloride	17.15	91	2028678	8.531	ppbv		100
67) sec-Butylbenzene	17.46	105	4984259	8.347	ppbv		100
69) p-Isopropyltoluene	17.82	119	4208854	8.684	ppbv		100
70) n-Butylbenzene	18.71	91	4328021	8.884	ppbv		100
71) 2-Chlorotoluene	15.61	91	2939560	8.799	ppbv		100
72) 4-Ethyltoluene	16.00	105	3222032	8.858	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	3087213	8.602	ppbv		100
74) 1,2,4-Trimethylbenzene	16.93	105	3226733	8.118	ppbv		97
75) 1,3-Dichlorobenzene	17.17	146	1839718	7.863	ppbv		100
76) 1,4-Dichlorobenzene	17.31	146	1817431	8.527	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1817880	8.628	ppbv		100
78) Hexachloro-1,3-Butadiene	23.54	225	1249027	7.718	ppbv		100
79) Naphthalene	22.42	128	3809836	11.379	ppbv		98
80) Naphthalene,2-methyl-	25.11	142	880850	8.670	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1796043	11.104	ppbv		100

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

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