Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070219\
Data File : VL034004.D
Acq On : 3 Jul 2019 3:47
Operator : SY/AP
Sample : K3591-13 LOD 0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2019

Manual Integrations APPROVED
MMDadoda
7/3/2019 11:03:44 PM

Quant Time: Jul 03 09:22:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	890153	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2425554	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	2411742	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.54	95	1962012	9.54	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	31360	0.171	ppbv	99
3) Chlorodifluoromethane	3.00	51	15776	0.144	ppbv #	87
4) Chloromethane	3.15	50	8454m	0.134	ppbv	
5) Vinyl Chloride	3.28	62	7821	0.110	ppbv #	87
6) Bromomethane	3.50	94	6064m	0.145	ppbv	
7) Chloroethane	3.59	64	3635	0.143	ppbv #	78
8) Dichlorotetrafluoroethane	3.21	85	26436	0.148	ppbv	92
9) Propene	3.02	41	5779m	0.143	ppbv	
10) Heptane	8.21	43	6811m	0.067	ppbv	
11) Trichlorofluoromethane	3.99	101	26248m	0.127	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.53	101	18988	0.130	ppbv	97
13) Ethanol	3.65	45	1698m	0.135	ppbv	
14) Bromoethene	3.77	108	7905	0.145	ppbv #	85
15) Acetone	3.91	43	22531	0.151	ppbv #	86
16) 1,3-Butadiene	3.35	39	6226m	0.118	ppbv	
17) tert-Butyl alcohol	4.37	59	16907m	0.142	ppbv	
18) 1,1-Dichloroethene	4.33	96	7961m	0.122	ppbv	
19) Isopropyl Alcohol	4.04	45	16151m	0.161	ppbv	
20) Methylene Chloride	4.39	84	12553m	0.192	ppbv	
21) Allyl Chloride	4.45	41	11784m	0.126	ppbv	
22) trans-1,2-Dichloroethene	4.95	96	8497	0.137	ppbv #	57
23) Vinyl Acetate	5.14	43	17300m	0.116	ppbv	
24) 1,1-Dichloroethane	5.07	63	16006m	0.121	ppbv	
25) Ethyl Acetate	5.76	43	19810m	0.097	ppbv	
26) Hexane	5.75	57	9487m	0.101	ppbv	
27) Carbon Disulfide	4.61	76	17948m	0.113	ppbv	
28) Methyl tert-Butyl Ether	5.11	73	13883m	0.088	ppbv	
29) Chloroform	5.81	83	22133	0.126	ppbv	93
30) Cyclohexane	7.25	84	14899m	0.206	ppbv	
31) cis-1,2-Dichloroethene	5.61	61	8771m	0.097	ppbv	
32) 1,1,1-Trichloroethane	6.59	97	19041	0.107	ppbv #	87
34) 2-Butanone	5.33	43	11988m	0.093	ppbv	
35) Carbon Tetrachloride	7.10	117	23300m	0.121	ppbv	
36) Benzene	6.98	78	16568	0.087	ppbv #	86
37) 1,2-Dichloroethane	6.39	62	14409m	0.103	ppbv	
38) Trichloroethene	7.93	130	8584m	0.102	ppbv	
39) 1,2-Dichloropropane	7.71	63	9809m	0.139	ppbv	
41) Tetrahydrofuran	6.17	42	5601m	0.089	ppbv	
42) Bromodichloromethane	7.88	83	20990m	0.112	ppbv	
43) Methyl Methacrylate	8.12	69	5257m	0.073	ppbv	
44) 2,2,4-Trimethylpentane	7.96	57	19633m	0.060	ppbv	

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Quant Time: Jul 03 09:22:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 0
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.38	75	5045m	0.054	ppbv		
46) cis-1,3-Dichloropropene	8.80	75	8251m	0.076	ppbv		
47) 1,1,2-Trichloroethane	9.57	97	9697m	0.109	ppbv		
48) Dibromochloromethane	10.42	129	15555m	0.092	ppbv		
49) Bromoform	13.17	173	11587	0.080	ppbv	#	80
50) 4-Methyl-2-Pentanone	8.87	43	12154m	0.064	ppbv		
51) 2-Hexanone	10.28	43	8010m	0.052	ppbv		
52) Tetrachloroethene	11.34	164	8840m	0.108	ppbv		
53) Toluene	9.91	91	12745m	0.059	ppbv		
54) 1,2-Dibromoethane	10.73	107	12117m	0.093	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.25	131	12761m	0.118	ppbv		
57) Chlorobenzene	12.25	112	22970m	0.120	ppbv		
58) Ethyl Benzene	12.82	91	17495m	0.060	ppbv		
59) m/p-Xylene	13.12	91	30414m	0.116	ppbv		
60) o-Xylene	13.82	91	14185m	0.054	ppbv		
61) Styrene	13.65	104	7532m	0.043	ppbv		
62) Isopropylbenzene	14.79	105	26096m	0.065	ppbv		
63) 1,1,2,2-Tetrachloroethane	13.80	83	23266m	0.114	ppbv		
64) n-propylbenzene	15.70	120	4342m	0.041	ppbv		
65) tert-Butylbenzene	16.88	119	16651m	0.048	ppbv		
66) Benzyl Chloride	17.12	91	15997m	0.091	ppbv		
67) sec-Butylbenzene	17.42	105	26224m	0.054	ppbv		
69) p-Isopropyltoluene	17.79	119	18176m	0.046	ppbv		
70) n-Butylbenzene	18.68	91	22060m	0.053	ppbv		
71) 2-Chlorotoluene	15.57	91	16485m	0.056	ppbv		
72) 4-Ethyltoluene	15.97	105	15058m	0.045	ppbv		
73) 1,3,5-Trimethylbenzene	16.12	105	15785m	0.050	ppbv		
74) 1,2,4-Trimethylbenzene	16.89	105	17063m	0.049	ppbv		
75) 1,3-Dichlorobenzene	17.13	146	28435m	0.129	ppbv		
76) 1,4-Dichlorobenzene	17.27	146	17072m	0.082	ppbv		
77) 1,2-Dichlorobenzene	17.96	146	16215m	0.079	ppbv		
78) Hexachloro-1,3-Butadiene	23.51	225	25689m	0.148	ppbv		
79) Naphthalene	22.37	128	13914m	0.048	ppbv		
80) Naphthalene,2-methyl-	25.09	142	6607	0.062	ppbv		86
81) 1,2,4-Trichlorobenzene	22.10	180	15150m	0.081	ppbv		

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

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