Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 11:58:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 0
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:01:05 AM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1481864	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3621550	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3415338	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2575794	10.11	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	348147	1.054	ppbv		99
3) Chlorodifluoromethane	3.01	51	199931	1.109	ppbv		97
4) Chloromethane	3.17	50	111839	1.067	ppbv		100
5) Vinyl Chloride	3.29	62	101860	0.915	ppbv		100
6) Bromomethane	3.52	94	74607	1.101	ppbv		94
7) Chloroethane	3.60	64	43526	1.138	ppbv	#	88
8) Dichlorotetrafluoroethane	3.22	85	275339	1.046	ppbv		99
9) Propene	3.04	41	73821	1.055	ppbv		97
10) Heptane	8.25	43	183960	1.027	ppbv		99
11) Trichlorofluoromethane	4.00	101	318233	1.095	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.55	101	221132	1.126	ppbv		100
13) Ethanol	3.65	45	29465	1.081	ppbv		72
14) Bromoethene	3.79	108	95088	1.136	ppbv		99
15) Acetone	3.91	43	224049	1.156	ppbv		99
16) 1,3-Butadiene	3.36	39	83603	0.990	ppbv		96
17) tert-Butyl alcohol	4.37	59	51270m	1.184	ppbv		
18) 1,1-Dichloroethene	4.35	96	97662	1.109	ppbv		96
19) Isopropyl Alcohol	4.03	45	157256	1.215	ppbv	#	95
20) Methylene Chloride	4.41	84	105301	1.228	ppbv		95
21) Allyl Chloride	4.48	41	145922	1.107	ppbv		99
22) trans-1,2-Dichloroethene	4.96	96	95970	1.116	ppbv		98
23) Vinyl Acetate	5.15	43	282743	1.056	ppbv	#	97
24) 1,1-Dichloroethane	5.09	63	245369	1.104	ppbv		99
25) Ethyl Acetate	5.77	43	371833	1.071	ppbv		99
26) Hexane	5.78	57	179504	1.091	ppbv		97
27) Carbon Disulfide	4.62	76	222302	1.081	ppbv	#	92
28) Methyl tert-Butyl Ether	5.12	73	273933	1.063	ppbv		98
29) Chloroform	5.84	83	300058	1.100	ppbv		98
30) Cyclohexane	7.25	84	125903	1.019	ppbv		92
31) cis-1,2-Dichloroethene	5.64	61	161537	1.060	ppbv		94
32) 1,1,1-Trichloroethane	6.62	97	301623	1.048	ppbv		99
34) 2-Butanone	5.34	43	224686	1.063	ppbv		98
35) Carbon Tetrachloride	7.13	117	329924	1.055	ppbv		99
36) Benzene	7.00	78	317438	1.065	ppbv		98
37) 1,2-Dichloroethane	6.41	62	225591	1.113	ppbv		99
38) Trichloroethene	7.96	130	126671	1.018	ppbv		91
39) 1,2-Dichloropropane	7.74	63	119629	1.070	ppbv		96
40) 1,4-Dioxane	7.98	88	47416m	1.118	ppbv		
41) Tetrahydrofuran	6.16	42	110351	1.023	ppbv		98
42) Bromodichloromethane	7.91	83	301750	1.035	ppbv		94
43) Methyl Methacrylate	8.14	69	114126	1.027	ppbv		96

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:01:05 AM

Quant Time: Jan 04 11:58:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 0
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	547678	1.038	ppbv		98
45) t-1,3-Dichloropropene	9.42	75	129318	0.842	ppbv		94
46) cis-1,3-Dichloropropene	8.83	75	157372	0.943	ppbv		96
47) 1,1,2-Trichloroethane	9.61	97	138683	1.028	ppbv		95
48) Dibromochloromethane	10.45	129	254280	1.136	ppbv		100
49) Bromoform	13.20	173	213049	1.033	ppbv		98
50) 4-Methyl-2-Pentanone	8.88	43	301161	1.059	ppbv		98
51) 2-Hexanone	10.29	43	204860m	1.067	ppbv		
52) Tetrachloroethene	11.37	164	114853m	1.065	ppbv		
53) Toluene	9.94	91	325956	1.063	ppbv		100
54) 1,2-Dibromoethane	10.76	107	203143	1.036	ppbv		90
56) 1,1,1,2-Tetrachloroethane	12.28	131	194048	1.123	ppbv	#	1
57) Chlorobenzene	12.30	112	315799	1.140	ppbv		99
58) Ethyl Benzene	12.87	91	441623	1.051	ppbv		100
59) m/p-Xylene	13.15	91	863828m	2.214	ppbv		
60) o-Xylene	13.85	91	418613	1.097	ppbv		97
61) Styrene	13.69	104	242853	0.987	ppbv		98
62) Isopropylbenzene	14.83	105	601064	1.103	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.84	83	331228m	1.109	ppbv		
64) n-propylbenzene	15.72	120	148828	1.108	ppbv		91
65) tert-Butylbenzene	16.91	119	522251	1.077	ppbv		94
66) Benzyl Chloride	17.15	91	272132	0.998	ppbv		99
67) sec-Butylbenzene	17.46	105	751053	1.098	ppbv		99
69) p-Isopropyltoluene	17.82	119	607099	1.098	ppbv		97
70) n-Butylbenzene	18.71	91	634146m	1.123	ppbv		
71) 2-Chlorotoluene	15.62	91	410513	1.064	ppbv		97
72) 4-Ethyltoluene	16.00	105	449019	1.057	ppbv		98
73) 1,3,5-Trimethylbenzene	16.16	105	450158	1.085	ppbv		97
74) 1,2,4-Trimethylbenzene	16.93	105	508985	1.117	ppbv		96
75) 1,3-Dichlorobenzene	17.17	146	304364	1.141	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	268944m	1.108	ppbv		
77) 1,2-Dichlorobenzene	17.99	146	266974	1.093	ppbv		98
78) Hexachloro-1,3-Butadiene	23.55	225	193296	1.126	ppbv		98
79) Naphthalene	22.42	128	402991	0.973	ppbv		98
80) Naphthalene,2-methyl-	25.13	142	84389	0.735	ppbv		95
81) 1,2,4-Trichlorobenzene	22.15	180	196854	1.044	ppbv		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL010419\
Data File : VL033063.D
Acq On : 4 Jan 2019 10:43
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 04 11:58:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan
QLast Update : Thu Jan 03 19:04:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED
MMDadoda
1/8/2019 12:01:05 AM