Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021021\
Data File : VL036317.D
Acq On : 10 Feb 2021 13:24
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
2/12/2021 1:41:57 PM

Quant Time: Feb 10 16:02:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1529841	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.15	114	3444037	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	3121658	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2589043	10.02	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	146039	0.712	ppbv		94
3) Chlorodifluoromethane	2.97	51	107403	0.572	ppbv		100
4) Chloromethane	3.12	50	50118m	0.540	ppbv		
5) Vinyl Chloride	3.24	62	46241m	0.526	ppbv		
6) Bromomethane	3.46	94	28636m	0.583	ppbv		
7) Chloroethane	3.54	64	14536m	0.480	ppbv		
8) Dichlorotetrafluoroethane	3.17	85	110880	0.558	ppbv		93
9) Propene	3.28	41	15353m	0.172	ppbv		
10) Heptane	8.10	43	102050	0.460	ppbv		97
11) Trichlorofluoromethane	3.93	101	122350	0.587	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.46	101	78347	0.620	ppbv		99
13) Ethanol	3.60	45	7187m	0.512	ppbv		
14) Bromoethene	3.72	108	31385	0.545	ppbv	#	96
15) Acetone	3.84	43	104995	0.560	ppbv	#	86
16) 1,3-Butadiene	3.31	39	44639m	0.489	ppbv		
17) tert-Butyl alcohol	4.29	59	85642m	0.554	ppbv		
18) 1,1-Dichloroethene	4.27	96	33950m	0.579	ppbv		
19) Isopropyl Alcohol	3.96	45	65978m	0.584	ppbv		
20) Methylene Chloride	4.32	84	36499m	0.610	ppbv		
21) Allyl Chloride	4.39	41	54597m	0.535	ppbv		
22) trans-1,2-Dichloroethene	4.86	96	32258m	0.596	ppbv		
23) Vinyl Acetate	5.05	43	115620m	0.509	ppbv		
24) 1,1-Dichloroethane	4.99	63	92806m	0.564	ppbv		
25) Ethyl Acetate	5.66	43	196306m	0.522	ppbv		
26) Hexane	5.66	57	80795m	0.516	ppbv		
27) Carbon Disulfide	4.53	76	62734m	0.501	ppbv		
28) Methyl tert-Butyl Ether	5.02	73	101006m	0.477	ppbv		
29) Chloroform	5.73	83	131131m	0.585	ppbv		
30) Cyclohexane	7.11	84	65265m	0.545	ppbv		
31) cis-1,2-Dichloroethene	5.53	61	77809m	0.520	ppbv		
32) 1,1,1-Trichloroethane	6.49	97	121238m	0.559	ppbv		
34) 2-Butanone	5.23	43	123644m	0.488	ppbv		
35) Carbon Tetrachloride	6.99	117	114341m	0.525	ppbv		
36) Benzene	6.87	78	147327	0.467	ppbv		96
37) 1,2-Dichloroethane	6.28	62	95456	0.503	ppbv		99
38) Trichloroethene	7.81	130	54839m	0.469	ppbv		
39) 1,2-Dichloropropane	7.59	63	59913	0.468	ppbv		94
40) 1,4-Dioxane	7.84	88	25182m	0.543	ppbv		
41) Tetrahydrofuran	6.05	42	60220m	0.411	ppbv		
42) Bromodichloromethane	7.77	83	125498m	0.526	ppbv		
43) Methyl Methacrylate	8.00	69	58768m	0.438	ppbv		

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021021\
Data File : VL036317.D
Acq On : 10 Feb 2021 13:24
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 16:02:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 1
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
2/12/2021 1:41:57 PM

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	284371	0.491	ppbv		98
45) t-1,3-Dichloropropene	9.25	75	46861	0.368	ppbv		97
46) cis-1,3-Dichloropropene	8.68	75	68393m	0.418	ppbv		
47) 1,1,2-Trichloroethane	9.45	97	66334m	0.541	ppbv		
48) Dibromochloromethane	10.28	129	86181m	0.481	ppbv		
49) Bromoform	13.01	173	65736m	0.439	ppbv		
50) 4-Methyl-2-Pentanone	8.74	43	168576m	0.446	ppbv		
51) 2-Hexanone	10.13	43	112806m	0.378	ppbv		
52) Tetrachloroethene	11.20	164	52479m	0.451	ppbv		
53) Toluene	9.79	91	152164m	0.431	ppbv		
54) 1,2-Dibromoethane	10.59	107	91949m	0.506	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.10	131	78252	0.562	ppbv	#	1
57) Chlorobenzene	12.12	112	138205	0.564	ppbv		99
58) Ethyl Benzene	12.69	91	209557	0.452	ppbv		93
59) m/p-Xylene	12.97	91	390724m	0.982	ppbv		
60) o-Xylene	13.67	91	190059	0.495	ppbv		97
61) Styrene	13.51	104	101266m	0.418	ppbv		
62) Isopropylbenzene	14.64	105	289629	0.508	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.66	83	142036	0.497	ppbv		93
64) n-propylbenzene	15.54	120	67727	0.483	ppbv		76
65) tert-Butylbenzene	16.73	119	237829	0.492	ppbv		92
66) Benzyl Chloride	16.97	91	49161m	0.398	ppbv		
67) sec-Butylbenzene	17.27	105	357681m	0.498	ppbv		
69) p-Isopropyltoluene	17.64	119	255646	0.449	ppbv		97
70) n-Butylbenzene	18.54	91	274232m	0.452	ppbv		
71) 2-Chlorotoluene	15.43	91	213879	0.477	ppbv		97
72) 4-Ethyltoluene	15.82	105	194787	0.450	ppbv		98
73) 1,3,5-Trimethylbenzene	15.98	105	199566m	0.484	ppbv		
74) 1,2,4-Trimethylbenzene	16.74	105	202878	0.479	ppbv	#	90
75) 1,3-Dichlorobenzene	16.98	146	120874m	0.532	ppbv		
76) 1,4-Dichlorobenzene	17.12	146	122605m	0.547	ppbv		
77) 1,2-Dichlorobenzene	17.80	146	111722m	0.504	ppbv		
78) Hexachloro-1,3-Butadiene	23.36	225	104069m	0.587	ppbv		
79) Naphthalene	22.19	128	91820m	0.371	ppbv		
80) Naphthalene,2-methyl-	24.99	142	20545m	0.389	ppbv		
81) 1,2,4-Trichlorobenzene	21.91	180	70201m	0.486	ppbv		

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

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021021\
Data File : VL036317.D
Acq On : 10 Feb 2021 13:24
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 10 16:02:14 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb
QLast Update : Wed Feb 10 13:51:24 2021
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED
MMDadoda
2/12/2021 1:41:57 PM