Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031421.D
Acq On : 22 Jan 2018 17:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
1/24/2018 5:10:15 PM

Quant Time: Jan 22 17:49:42 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 1
QLast Update : Thu Jan 18 06:41:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1267050	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	2887208	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3208388	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.75	95	2568552	10.14	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.17	85	2093990	8.56	ppbv	98
3) Chlorodifluoromethane	3.11	51	2292043	12.26	ppbv	99
4) Chloromethane	3.27	50	1044058	12.40	ppbv	100
5) Vinyl Chloride	3.40	62	1075528	12.35	ppbv	99
6) Bromomethane	3.62	94	762717	13.10	ppbv	99
7) Chloroethane	3.71	64	443382	13.01	ppbv	99
8) Dichlorotetrafluoroethane	3.32	85	2588522	11.55	ppbv	99
9) Propene	3.13	41	872247	12.65	ppbv	99
10) Heptane	8.41	43	2706683	13.07	ppbv	99
11) Trichlorofluoromethane	4.12	101	3280988	12.59	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.68	101	2080096	12.59	ppbv	99
13) Ethanol	3.76	45	221493	6.41	ppbv	96
14) Bromoethene	3.90	108	890058	13.07	ppbv	99
15) Acetone	4.02	43	2199976	10.46	ppbv	100
16) 1,3-Butadiene	3.47	39	1000035	12.72	ppbv	100
17) tert-Butyl alcohol	4.48	59	1163638	12.08	ppbv	99
18) 1,1-Dichloroethene	4.48	96	931431	12.84	ppbv	97
19) Isopropyl Alcohol	4.14	45	1466835	10.19	ppbv	100
20) Methylene Chloride	4.54	84	855970	11.29	ppbv	98
21) Allyl Chloride	4.60	41	1488250	13.08	ppbv	99
22) trans-1,2-Dichloroethene	5.10	96	988641	12.79	ppbv	96
23) Vinyl Acetate	5.29	43	3029233	12.71	ppbv	100
24) 1,1-Dichloroethane	5.23	63	2468552	12.26	ppbv	99
25) Ethyl Acetate	5.91	43	4226603	11.77	ppbv	100
26) Hexane	5.93	57	1889119	12.57	ppbv	99
27) Carbon Disulfide	4.75	76	2653745	13.23	ppbv	100
28) Methyl tert-Butyl Ether	5.25	73	2364989	12.93	ppbv	100
29) Chloroform	6.00	83	3138115	12.15	ppbv	100
30) Cyclohexane	7.40	84	1515201	12.61	ppbv	98
31) cis-1,2-Dichloroethene	5.78	61	1881447	12.87	ppbv	95
32) 1,1,1-Trichloroethane	6.77	97	3256775	12.04	ppbv	100
34) 2-Butanone	5.47	43	2785215	11.60	ppbv	100
35) Carbon Tetrachloride	7.30	117	3425398	12.43	ppbv	97
36) Benzene	7.16	78	3702325	12.38	ppbv	99
37) 1,2-Dichloroethane	6.57	62	2753464	12.50	ppbv	100
38) Trichloroethene	8.12	130	1625832	13.11	ppbv	99
39) 1,2-Dichloropropane	7.90	63	1434492	12.98	ppbv	95
40) 1,4-Dioxane	8.12	88	593852	10.70	ppbv	87
41) Tetrahydrofuran	6.29	42	1496156	12.28	ppbv	99
42) Bromodichloromethane	8.08	83	3526335	13.00	ppbv	100
43) Methyl Methacrylate	8.30	69	1537718	13.79	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031421.D
Acq On : 22 Jan 2018 17:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
1/24/2018 5:10:15 PM

Quant Time: Jan 22 17:49:42 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 1
QLast Update : Thu Jan 18 06:41:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.15	57	6366030	12.71	ppbv		100
45) t-1,3-Dichloropropene	9.58	75	2363566	15.40	ppbv		99
46) cis-1,3-Dichloropropene	9.00	75	2754265	14.52	ppbv		98
47) 1,1,2-Trichloroethane	9.79	97	1704629	13.11	ppbv		98
48) Dibromochloromethane	10.63	129	3171016	13.78	ppbv		99
49) Bromoform	13.38	173	2423100	13.39	ppbv		99
50) 4-Methyl-2-Pentanone	9.03	43	3842199	12.12	ppbv		100
51) 2-Hexanone	10.44	43	3841590	11.93	ppbv	#	100
52) Tetrachloroethene	11.55	164	1522697	12.93	ppbv		98
53) Toluene	10.12	91	4837633	13.73	ppbv		100
54) 1,2-Dibromoethane	10.94	107	2763333	13.55	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.46	131	2103711	12.71	ppbv	#	75
57) Chlorobenzene	12.48	112	3797858	12.53	ppbv		98
58) Ethyl Benzene	13.04	91	6791412	12.96	ppbv		98
59) m/p-Xylene	13.32	91	11208066m	25.86	ppbv		
60) o-Xylene	14.03	91	5639094	12.75	ppbv		99
61) Styrene	13.86	104	1449150	14.94	ppbv		99
62) Isopropylbenzene	15.00	105	6982331	12.56	ppbv		99
63) 1,1,2,2-Tetrachloroethane	14.01	83	3669046	11.00	ppbv		99
64) n-propylbenzene	15.90	120	1786434	12.79	ppbv		95
65) tert-Butylbenzene	17.09	119	6153975	12.45	ppbv		98
66) Benzyl Chloride	17.33	91	712009	15.34	ppbv		100
67) sec-Butylbenzene	17.63	105	8458817	12.05	ppbv		99
69) p-Isopropyltoluene	17.99	119	6972993	12.48	ppbv		100
70) n-Butylbenzene	18.89	91	7081296	12.15	ppbv		99
71) 2-Chlorotoluene	15.79	91	5343134	12.51	ppbv		99
72) 4-Ethyltoluene	16.17	105	5823839	12.89	ppbv		100
73) 1,3,5-Trimethylbenzene	16.33	105	5190032	12.92	ppbv		99
74) 1,2,4-Trimethylbenzene	17.10	105	5516912	12.62	ppbv		94
75) 1,3-Dichlorobenzene	17.34	146	3389436	12.03	ppbv		100
76) 1,4-Dichlorobenzene	17.48	146	3428084	12.27	ppbv		100
77) 1,2-Dichlorobenzene	18.17	146	3286149	11.80	ppbv		99
78) Hexachloro-1,3-Butadiene	23.70	225	936911	10.48	ppbv		99
79) Naphthalene	22.61	128	3982016	18.70	ppbv		99
80) Naphthalene,2-methyl-	25.25	142	1456410	27.60	ppbv		99
81) 1,2,4-Trichlorobenzene	22.34	180	1962519	15.81	ppbv		100

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

Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL012218\
Data File : VL031421.D
Acq On : 22 Jan 2018 17:18
Operator : SY/AP
Sample : VSTDICC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 22 17:49:42 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL012218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan
QLast Update : Thu Jan 18 06:41:16 2018
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Manual Integrations APPROVED
MMDadoda
1/24/2018 5:10:15 PM