Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
Data File : VL032013.D
Acq On : 17 May 2018 9:31
Operator : SY/AP
Sample : VL0516ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0516ABS01

Manual Integrations APPROVED
MMDadoda
5/17/2018 3:34:18 PM

Quant Time: May 17 14:35:55 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.88	49	1299585	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.41	114	2496258	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.38	117	2670603m	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.71	95	2009132	9.70	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.15	85	977503	5.69	ppbv		97
3) Chlorodifluoromethane	3.09	51	1151879	9.42	ppbv		97
4) Chloromethane	3.25	50	588390	9.13	ppbv		100
5) Vinyl Chloride	3.37	62	652420	8.97	ppbv		99
6) Bromomethane	3.60	94	447650	9.46	ppbv		96
7) Chloroethane	3.69	64	260572	9.42	ppbv	#	88
8) Dichlorotetrafluoroethane	3.30	85	1524059	8.92	ppbv		98
9) Propene	3.11	41	429509	9.59	ppbv		99
10) Heptane	8.37	43	1447391	9.39	ppbv		98
11) Trichlorofluoromethane	4.10	101	1933336	9.33	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1446325	9.91	ppbv		97
13) Ethanol	3.73	45	121979	7.29	ppbv	#	100
14) Bromoethene	3.88	108	524454	9.72	ppbv		97
15) Acetone	3.99	43	1461372	7.95	ppbv		99
16) 1,3-Butadiene	3.44	39	585983	9.92	ppbv		98
17) tert-Butyl alcohol	4.45	59	698005	9.19	ppbv		99
18) 1,1-Dichloroethene	4.45	96	563898	8.81	ppbv		87
19) Isopropyl Alcohol	4.12	45	857206	8.63	ppbv		100
20) Methylene Chloride	4.50	84	557945	9.00	ppbv		99
21) Allyl Chloride	4.58	41	867657	8.28	ppbv		97
22) trans-1,2-Dichloroethene	5.07	96	668489	9.41	ppbv		93
23) Vinyl Acetate	5.26	43	1845803	8.79	ppbv		98
24) 1,1-Dichloroethane	5.20	63	1697207	8.66	ppbv		99
25) Ethyl Acetate	5.88	43	2885763	9.15	ppbv		100
26) Hexane	5.89	57	1363061	9.19	ppbv		99
27) Carbon Disulfide	4.72	76	1854301	11.16	ppbv		99
28) Methyl tert-Butyl Ether	5.22	73	1633506	8.96	ppbv		99
29) Chloroform	5.96	83	2220194	9.47	ppbv		99
30) Cyclohexane	7.37	84	901784	9.13	ppbv		98
31) cis-1,2-Dichloroethene	5.75	61	1280012	9.44	ppbv		98
32) 1,1,1-Trichloroethane	6.74	97	1875230	8.67	ppbv		99
34) 2-Butanone	5.43	43	1843699	8.95	ppbv		100
35) Carbon Tetrachloride	7.26	117	1949214	9.85	ppbv		97
36) Benzene	7.13	78	2210638	9.40	ppbv		99
37) 1,2-Dichloroethane	6.53	62	1787805	10.58	ppbv		98
38) Trichloroethene	8.09	130	907012	10.16	ppbv		99
39) 1,2-Dichloropropane	7.86	63	794667	9.71	ppbv		97
40) 1,4-Dioxane	8.08	88	356424	9.66	ppbv		93
41) Tetrahydrofuran	6.26	42	964389	10.75	ppbv		98
42) Bromodichloromethane	8.04	83	1919371	10.19	ppbv		98
43) Methyl Methacrylate	8.26	69	814970	10.28	ppbv		98

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Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 0
QLast Update : Thu May 03 15:52:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3773476	9.95	ppbv		100
45) t-1,3-Dichloropropene	9.55	75	1187136	11.30	ppbv		98
46) cis-1,3-Dichloropropene	8.96	75	1458197	11.24	ppbv		99
47) 1,1,2-Trichloroethane	9.75	97	959616	9.91	ppbv		97
48) Dibromochloromethane	10.59	129	1673057	10.77	ppbv		99
49) Bromoform	13.34	173	1342775	11.15	ppbv		99
50) 4-Methyl-2-Pentanone	9.00	43	1998205	10.27	ppbv		99
51) 2-Hexanone	10.40	43	1908266	10.78	ppbv	#	99
52) Tetrachloroethene	11.51	164	850022	9.76	ppbv		96
53) Toluene	10.08	91	2674915	10.55	ppbv		100
54) 1,2-Dibromoethane	10.90	107	1465946	10.16	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.41	131	1158081	9.52	ppbv		99
57) Chlorobenzene	12.44	112	2084552	9.05	ppbv		99
58) Ethyl Benzene	13.00	91	3752038	9.81	ppbv		99
59) m/p-Xylene	13.28	91	6284802m	19.37	ppbv		
60) o-Xylene	13.99	91	3202538	9.84	ppbv		100
61) Styrene	13.82	104	721489	10.93	ppbv		100
62) Isopropylbenzene	14.96	105	3974010	9.55	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.97	83	2125832	9.19	ppbv		100
64) n-propylbenzene	15.86	120	987799	9.46	ppbv		98
65) tert-Butylbenzene	17.05	119	3511941	9.46	ppbv		100
66) Benzyl Chloride	17.30	91	340958	10.11	ppbv		99
67) sec-Butylbenzene	17.59	105	4963769	9.63	ppbv		100
69) p-Isopropyltoluene	17.95	119	4022713	9.71	ppbv		99
70) n-Butylbenzene	18.85	91	4201975	9.81	ppbv		99
71) 2-Chlorotoluene	15.76	91	2966257	9.74	ppbv		100
72) 4-Ethyltoluene	16.14	105	3267700	9.89	ppbv		99
73) 1,3,5-Trimethylbenzene	16.29	105	2996517	9.81	ppbv		99
74) 1,2,4-Trimethylbenzene	17.06	105	3188524	9.43	ppbv		97
75) 1,3-Dichlorobenzene	17.30	146	1960164	9.40	ppbv		100
76) 1,4-Dichlorobenzene	17.45	146	1980023	9.59	ppbv		99
77) 1,2-Dichlorobenzene	18.13	146	1984326	9.45	ppbv		98
78) Hexachloro-1,3-Butadiene	23.67	225	674637	7.07	ppbv		99
79) Naphthalene	22.57	128	2263625	9.62	ppbv		98
80) Naphthalene,2-methyl-	25.22	142	647606	11.54	ppbv		98
81) 1,2,4-Trichlorobenzene	22.30	180	1194108	9.15	ppbv		100

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

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